

1944

Langston University Catalog 1944-1946

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The Langston University
Bulletin

Catalogue Edition
1944--1946



LANGSTON UNIVERSITY

BULLETIN

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NO. 3

CATALOGUE EDITION

1944-46



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CORRESPONDENCE

Inquiries and letters pertaining to:

- (a) accounts and finances should be addressed to the Financial Secretary
- (b) general academic procedures and classroom activities should be addressed to the Dean.
- (c) credits, recording and transcripts should be addressed to the Registrar.
- (d) the policies and administration should be addressed to the President.

CALENDAR**1944-1945****FIRST SEMESTER**

- September 5-11—Freshman Week
September 9-11—Freshman Tests
September 11—Registration of Sophomores, Juniors and Seniors
September 10—Freshman Vesper Services
September 11—Freshman Registration
September 12—Classes Begin
October 4—Honors Day—The Honor Society.
November 22—Thanksgiving holidays begin at 12:00 noon.
November 27—Classroom work resumed at 8:00 a.m.
December 19—Christmas holidays begin at noon.
January 2—Classroom work resumed at 8:00 a.m.
January 17-19—First Semester Examinations.

SECOND SEMESTER

- January 22-23—Registration for Second Semester
January 24—Classes Begin
March 7—Honors Day—The Dean's Honor Cabinet
March 30—Easter vacation begins at noon
April 2—Classroom work resumed at 8 a.m.
May 20—Baccalaureate exercises
May 17-22—Second Semester Examinations
May 23—Commencement

SUMMER SESSION

- May 28-29—Registration for summer session
May 30—Classes begin
July 20—Commencement

CALENDAR

1945-1946

FIRST SEMESTER

- September 5-10—Freshman Week
September 7-10—Freshman Tests
September 9—Freshman Vesper Services
September 10—Registration of Sophomores, Juniors and Seniors
September 11—Freshman Registration
September 12—Classes Begin
September 19—Formal opening of the University.

President's address to the faculty and students.

- November 12, 13, 14—Mid-semester Examinations
November 21—Thanksgiving holidays begin at 12:00 noon
November 26—Classroom work resumed at 8:00 a.m.
December 20—Christmas holidays begin at noon.
January 3—Classroom work resumed at 8:00 a.m.
January 15-18—First Semester Examinations.

SECOND SEMESTER

- January 21—Registration for Second Semester
January 22—Classes Begin
March 12—Founders Day
March 25, 26, 27—Mid-semester Examinations
April 19—Easter vacation begins at noon
April 21—Easter
April 22—Classes resumed at 8:00 a.m.
May 19—Baccalaureate Exercises
May 20-23—Second Semester Examinations
May 24—Commencement

SUMMER SESSION

- May 27-28—Registration for summer session
May 29—Classes begin
July 14—Baccalaureate Exercises
July 19—Summer Convocation

OKLAHOMA STATE REGENTS
FOR HIGHER EDUCATION

Officers of the Board

Chairman	John H. Kane
Vice-Chairman	Frank Buttram
Secretary	John Rogers
Assistant Secretary	Ben Frank Saye

Members

Guy H. James	Frank Buttram
William Dee Little	Wharton Mathies
Clee O. Doggett	Ben Frank Saye
John Henry Kane	Dial Currin
John Rogers	

Office Personnel

M. A. Nash	Chancellor
T. G. Sexton	Assistant
Vera Dell Donham	Secretary
Dora Faye Vincent	Bookkeeper

BOARD OF REGENTS
for the
OKLAHOMA AGRICULTURAL AND MECHANICAL
COLLEGES

Officers of the Board

Chairman	P. E. Harrill
Vice Chairman.....	R. T. Stuart
Secretary	Elmer Harber

Members

Fred Drummond	Earl Russell
Edward T. Davis	John Pat Carpenter
O. L. Lackey	Joe C. Scott

STANDING OF THE COLLEGE

Langston University is fully accredited as a senior college by the State Board of Education and by the Oklahoma State Regents for Higher Education. Upon graduation from this Institution a student may receive a life certificate granted by the State Board of Education, through Langston University. The work at Langston University is recognized by the State Boards of Education in more than 36 of the 48 states.

FACULTY**OFFICERS OF ADMINISTRATION**

G. LAMAR HARRISON, Ph.D., President of the University
 THERESA P. HUGHES, B.S., Secretary to the President
 R. P. PERRY, Ph.D., Administrative Dean
 C. DEWEY BATCHLOR, M.A., Registrar
 *LEROY G. MOORE, M.A., Director, Division of Arts and Sciences
 S. H. SETTLER, M.S., Director, Division of Agriculture
 *OSCAR J. CHAPMAN, Ph.D., Director, Division of Education
 SADIE G. WASHINGTON, M.A., Director, Division of Home Economics
 E. A. MILLER, M.S., Director, Division of Industrial Arts
 W. E. HEBERT, Financial Secretary
 ELMYRA R. TODD, B.S., B.S. in Library Science, Acting Librarian
 C. FELTON GAYLES, B.S., Director of Athletics
 STACY C. THOMPSON, M.D., University Physician and Health Director
 LENA BROWN WORK, M.A., Director of Personnel
 HOBART S. JARRETT, M.A., Dean of Men

Officers of Administration and Instruction

(Dates immediately following positions indicate when persons were appointed to the faculty of the University.)

President

Harrison, G. Lamar, A.B., Howard University, 1926; B.E., University of Cincinnati, 1927; M.A., *ibid.*, 1929; Ph.D., Ohio State University, 1936.
 President, (1939).

INSTRUCTIONAL STAFF**Professors**

Batchlor, C. Dewey, B.S., Bishop College, 1921; M.A., University of Iowa, 1931; Graduate work, University of Colorado, Summer 1938, 1939, 1940.

Registrar, Professor and Head of the Department of English, (1929).

*Chapman, Oscar J., A.B., Lincoln University (Pa.) 1932; A. M., University of Michigan, 1936; Graduate work, Teachers College, Columbia, 1936-37; Ph.D., Ohio State University, 1940.

Professor and Director of the Division of Education, (1941).

*Ellis, Wade, B.S., Wilberforce, 1928; M.S., University of New Mexico, 1938; Ph.D., University of Michigan, 1944.

Professor and Head of the Department of Mathematics, (1943).

*Hill, Mozell C., A.B., University of Kansas, 1933; M.A., *ibid.*, 1937; Graduate work, University of Kansas, 1940-41; University of Chicago, summer, 1942, 1944-45.

Professor of Sociology, (1937)

* On leave.

Mells, H. F., A.B., Morehouse College, 1932; A.M., University of Indiana, 1938; Ph.D., University of Iowa, 1944.

Professor and Head of the Department of Music, (1934).

Miller, E. A., B.S. in Ind. Eng., Pennsylvania State College, 1923; Graduate work, University of Colorado, summer, 1940; Kansas State Teachers College, summer, 1941; M. S. in Ind. Arts, Iowa State College, 1935; Graduate work, Wayne University, summer, 1942.

Professor and Director of the Division of Industrial Arts, (1927).

*Moore, Leroy G., B. A., Southwestern College, 1917; Graduate work, University of Chicago, summer, 1920, 1921; M.A., University of Kansas, 1930; Additional work, Cornell University, 1937-38; University of Kansas, 1944-45.

Director of the Division of Arts and Sciences, Professor of Chemistry and Head of the Department of Natural Science, (1925).

Perry, R. Patterson, B.A., Johnson C. Smith University, 1925; M.S., University of Iowa, 1927; Ph.D., *ibid.*, 1939.

Administrative Dean and Professor of Chemistry, (1943).

Richards, Eugene S., A.B., New Orleans University, 1928; A.M. in Ed., University of Southern California, 1931; Ph.D., *ibid.*, 1941.

Professor of Sociology and Acting Head, Dept. of Social Science, (1943).

Settler, S. H., B.S., Kansas State College, 1926; M.S., *ibid.*, 1934; Graduate work, Cornell University, spring, 1940; winter, 1941.

Professor and Director of the Division of Agriculture, (1943).

*Thaxton, H. Mack, B.S., Howard University, 1931; M.S., *ibid.*, 1933; M.A., University of Wisconsin, 1935; Ph.D., *ibid.*, 1937.

Professor of Physics and Electrical Engineering, (1943).

Washington, Sadie G., B.S. in H. Ec., West Virginia State College, 1927; M.A., Columbia University, 1937; Further study, *ibid.*, summer, 1943.

Professor and Director of the Division of Home Economics, (1937).

Associate Professors

*Ellison, Frances A., B.A., Prairie View State College, 1939; M.Mus.Ed., University of Colorado, 1941; Julliard School of Music, Summer, 1944.

Associate Professor of Music, (1941).

*Ford, Nick Aaron, A.B., Benedict College, 1926; M.A., University of Iowa, 1934; Graduate work, *ibid.*, Summer, 1943, 1944-45.

Associate Professor of English, (1937).

Gayles, C. Felton, B.S., Morehouse College, 1924.

Associate Professor of Physical Education and Director of Athletics. (1930).

* On leave.

Irving, James Lee, B.S., University of Iowa, 1927; M.A., *ibid.*, 1929; M.S. in Ed., Indiana University, 1934; Further study, Indiana University, 1936-37; Residence requirement for Ph.D. completed, Ohio State University, 1937-38; summer, 1944.

Associate Professor of Education, (1940).

Jarrett, Hobart S., B.A., Wiley College, 1936; M.A., Syracuse University, 1937; Graduate work, Harvard University, 1939-41.

Associate Professor of English, (1937).

Jones, D. C., B.S., Hampton Institute, 1923; M. S., Cornell University, 1930. Associate Professor of Agriculture and Teacher Trainer, Vocational Agriculture, (1925).

Qualls, Youra, A.B., Fisk University, 1937; A.M., Radcliffe College, 1941; Residence work for Ph.D., completed, *ibid.*, 1942; Pendle Hill, Summer, 1944.

Associate Professor of English, (1943).

Assistant Professors

Allen, Mizura Clement, B.A., University of Iowa, 1927; M.A., *ibid.*, 1940; Graduate work, Wichita University, summer, 1942; Graduate work, Denver University, 1943.

Assistant Professor and Head of the Department of Commercial Education, (1926).

Bellegarde, Auguste Dantes, B.Litt., University of Paris (France), 1923; B.S., in Agric. and Veterinary Science, University of Haiti, W.I., 1929; D.V.M., Ohio State University, 1933.

Assistant Professor of Modern Foreign Languages, (1936).

Dillon, Nellie B., Diploma, Tuskegee Institute, 1919; B.S., Prairie View State College, 1927; Advanced study, University of Southern California, summer, 1930; Advanced study, Colorado State College, summer, 1938, 1940, 1941.

Assistant Professor and Supervisor, Trade and Industrial Education, (1938).

Gandy, Lenouliah, B.S., Kansas State Teachers College, 1930; M.S., Colorado State College of Agriculture, 1942.

Assistant Professor of Home Economics and Itinerant Teacher Trainer, (1930).

Grissom, T. W., A.B., Howard University, 1909; Graduate study, University of Chicago, summer, 1920; Kansas State Teachers College, summer, 1922; A.M., Arizona State Teachers College, 1940; Further work, Butler College, 1943.

Assistant Professor of Education and Principal of the University High School, (1931).

Hamilton, Gomez Cortez, A.B., University of Kansas, 1925; M.S., *ibid.*, 1931; Further work, Indiana University, summer, 1941.

Assistant Professor of Biology, (1933).

Rouce, Helen A., B.S., Colorado Teachers College, 1932; M.A., Colorado Teachers College, 1933; Further work, Denver University, summer, 1934, 1941.

Assistant Professor and Acting-Head of the Department of Mathematics, (1937).

Instructors

- Berry, Thelma J., Diploma, Poro College, 1940; Instructor's License, Langston University, 1940; B.S., *ibid.*, 1944.
Instructor of Cosmetology, (1940).
- Brown, Eugene Jesse, University of Kansas, 1916-19, summer 1929, 1930, 1938; Carnegie Institute of Technology, 1922-24; Kansas State Teachers College, summer, 1936; A.B., Oklahoma Catholic College, 1941.
Instructor and Head of the Department of Art, (1924).
- Code, S. G., Diploma, Kansas Vocational School, 1925.
Instructor of Tailoring, (1925).
- Cooke, Amanda Fuhr, A.B., Langston University, 1944. Further work St. Augustine College, Raleigh, N. C., Hampton Institute, Hampton, Virginia.
Instructor of Sociology, (1944).
- Felder, O. P., A.B., Virginia Union University, 1932; B.D., *ibid.*, 1934; Additional study, Hampton Institute, summers, 1932-34.
Instructor of Social Sciences and Director of Religious Activities, (1944).
- Gear, Alice Jeanette, B.A., University of Kansas, 1935; M.A., *ibid.*, 1936; Further study, University of Michigan, summer, 1938, 1939.
Instructor of English, (1939).
- Gilyard, Odell, B.S.A., Langston University, 1937; Further work, Iowa State College, summer, 1940.
Instructor of Auto Mechanics, (1937).
- Hargrove, S. L., A.B., Clark University, 1911; M.S., Kansas State Teachers College, 1943.
Instructor of History, (1923).
- Hawkins, Kenneth A., B.S., State University of Iowa, 1943; M.S., State University of Iowa, 1944.
Instructor of Chemistry, (1944)
- **Hebert, A. C., B.S. in E. E., Kansas State College, 1933.
Instructor of Applied Electricity, (1937).
- Hendricks, G. H., B.S., Prairie View State College, 1925; Graduate work, University of Chicago, summer, 1933, 1936; University of Southern California, summer, 1934; M.S., University of Iowa, 1941.
Instructor of Mathematics, (1931).
- Isaac, Otis, Diploma, Tuskegee Institute, 1927; Further study, Colorado State College, summer, 1940; B.S., Catholic College of Oklahoma, 1941.
Instructor of Shoemaking, (1933).

** Armed forces.

- Kerry, Wynola Lackey, B.S., Langston University, 1941; Graduate work, Iowa State College, summer, 1941; University of Minnesota, summer, 1942, University of Southern California, 1943-44.
Instructor of Home Economics (Nursery School), (1941).
- Lewis, Alonzo, B.S., Langston University, 1915; Graduate study, University of Iowa, summer, 1927; Northwestern University, summers, 1930-37.
Instructor of Music, (1938).
- †McConnell, Mae Dee, B.S., Langston University, 1943.
Instructor of Home Economics (Nursery School), (1943).
- Moore, Theresia B., B.S., Langston University, 1929; M.S., Kansas State Teachers College (Pittsburg), 1937.
Instructor of English (1944).
- Moran, Elouise Chiles, B. Mus., Knox College, 1944
Physical Education and Music Instructor (1944).
- Parker, Almeda C., B.S., Langston University, 1940; Further work, University of Southern California, summers, 1943, 1944.
Instructor of Secretarial Science, (1943).
- Prewitt, A.B., B.S.A., Langston University, 1935.
Instructor of Farm Shop, (1936).
- Simms, W. E., B.S., Prairie View State College, 1925; M.S., Iowa State College, 1937; Advanced work, Iowa State College, Summer, 1944.
Instructor of Agriculture, (1931).
- Strong, Evelyn R., B.S., Langston University, 1940; Graduate study, University of Michigan, summer, 1941.
Instructor of Music, (1943).
- Tillman, Charlie Faver, A.B., Fisk University, 1927; Further study, University of Chicago, summer 1938; A.M., Columbia University, 1942.
Instructor of Education, (1931).
- Washington, E. M., B.A., University of Iowa, 1933; M.A., *ibid.*, 1941; Further study, University of Iowa, summer, 1942.
Instructor of Home Economics, (1941).
- Woods, Arvella G., B.S., Langston University, 1937; M.E., Colorado State College, 1942.
Instructor of Education, (1943).

University Training School Staff

- Grissom, T. W., A.B., Howard University, 1909; Graduate study, University of Chicago, summer, 1920; Kansas State Teachers College, summer, 1922; A.M., Arizona State Teachers College, 1940; Further study, Butler College, 1943.
Principal, (1931).
- Black, Zella J., B.S., Langston University, 1937; M.S., Colorado State College, 1941.
Teacher of Home Economics, (1937).

† Part year.

- Gear, Alice Jeannette, B.S., University of Kansas, 1935; M.A., *ibid.*, 1936;
Further study, University of Michigan, summer, 1938, 1939.
Teacher of English, (1939).
- Hendricks, G. H., B.S., Prairie View State College, 1925; Graduate work,
University of Chicago, summer, 1933, 1936; University of Southern
California, summer, 1934; M.S., University of Iowa, 1941.
Teacher of Science and Mathematics, (1931).
- *Horton, Mary Trice, B.S., Langston University, 1938; Additional work,
University of Chicago, summer, 1942.
Teacher of Commercial Subjects, (1938).
- Moore, Theresia B., B.S. Langston University, 1929; M.S., Kansas State
Teachers College, 1937.
Teacher of English (1944).
- Tillman, Charlie Faver, A.B., Fisk University, 1927; Further work, Uni-
versity of Chicago, summer 1938; A.M., Columbia University, 1942.
Teacher of Primary Grades, (1931).
- Woods, Arvella G., B.S., Langston University, 1937; M.E., Colorado State
College, 1942.
Teacher of Primary Grades, (1943).

Other Officers of Administration and Employees

- Amos, M. J.
Janitor.
- Anderson, Arthur
Assistant Laundry Helper
- Anderson, Edison
Supervisor of Construction and Repairs, (1939).
- *Banner, Carolyn A. B. S., Langston University, 1940.
Assistant Registrar, (1943).
- Beck, Leslie
Superintendent of Buildings and Utilities, (1937).
- Brownlow, Octavia McNeil, B.S., Langston University, 1944
Assistant Registrar (1945). Part year.
- Bunn, Esther Stephens, R.N. Freedmens Hospital, 1930; Advanced work
University of Minnesota, 1938.
Assistant Nurse (1944).
- Callahan, Loletta Finley, Diploma, Los Angeles Business College, 1943.
Agricultural Extension Clerk.
- Campbell, A. C.
Farm Hand
- Chenault, Nevada Beatrice.
Matron, Women's Dormitory, (1936).
- Cooper, J. A.
Farm Hand

* On leave.

- †Evans, Cecille, B.S., Langston University, 1939; M.S., Northwestern, 1943.
Assistant Chief Clerk (1944).
- †Freeland, Ida Lee
Accountant and Clerk, Financial Office (1934).
- Garrett, William C., B.S., Langston University, 1942.
Assistant, Division of Agriculture (1942).
- Goodlow, E. M., Langston University.
Supervisor, University Laundry, (1935).
- Harris, E. E.
Assistant Plumber.
- Harris, J. M.
Truck Driver (1929).
- Hebert, W. E.
Chief Clerk (1931)
- Hughes, Theresa Palmer, B.S., Hampton Institute, 1937.
Secretary to the President, (1943).
- Jones, A. B., R.N., Provident Hospital, 1915.
Nurse, University Health Service, (1939).
- Jones, Christine, B.S., Langston University, 1944.
Clerk, Financial Office, (1944).
- Lampton, John, B.S. in Ed., Langston University, 1928; A.B. in M.L., Claver
College, 1938; Further study, University of Chicago, summer, 1933,
1935, 1943.
Director of Extension, (1937).
- Latimer, Alice E., Diploma, Tuskegee Institute, 1923.
Supervisor of Foods (1944).
- Lovejoy, Henry Mae, B.S., Langston University, 1942.
Secretary, Division of Industrial Arts, (1942).
- Moss, E. H.
Utility Man.
- Oliver, Juanita Alexander, B.A., Langston University, 1944.
Secretary to Administrative Dean—Part Year (1944).
- Scarborough, W. L.
Yard Man.
- Shelton, Harry
Night Watchman.
- Smith, Edith R., B.S., Langston University, 1939
Secretary, Division of Agriculture (1944).
- Stallworth, Lillie Augusta, B.S., Langston University, 1940.
Cashier and accountant, Financial Office, (1940).
- Sylvan, Earline Simms
Secretary to Administrative Dean (1944)

† Part year.

- Thompson, Stacy C., M.D., Meharry Medical College, 1918.
University Physician and Health Director, (1929).
- Todd, Elmyra R., B.S., Langston University, 1939; B.S. in Library Science,
University of Illinois, 1942; Graduate work, *ibid.*, one semester, 1942.
Acting Librarian, (1943).
- *Wallace, Marie B., B.S., Langston University, 1940.
Assistant Registrar.
- Walker, James
Janitor.
- Welch, R. B., B.S., Langston University, 1933; M.A., Northwestern Uni-
versity, 1941.
Purchasing Agent, (1936).
- Williams, Ernestyne A., Diploma, Tuskegee Institute, 1934
Supervisor of Dining Hall (1944)
- Williams, Fred
Janitor
- Work, Lena Brown, B.A., Langston University, 1929; M.A., University of
Michigan, 1943.
Dean of Women and Personnel Director, (1939).
- Young, Adelia E.
Matron, Women's Dormitory, (1938).
- Young, B. L., B.S., Langston University, 1938.
Supervisor, University Canteen, (1938).
- Young, Lucile H., B.S., Langston University, 1940.
Bookkeeper & Accountant (1940)

* On leave.

VOCATIONAL AGRICULTURE TEACHERS

Ashley, Lillard G.	B.S.A., Langston University	Boley
Brown, E. D.	B.S.A., Langston University	Sand Springs
Burton, Lewis E.	B.S.A., Langston University	Colbert
Clegg, James R.	B.S.A., Langston University	Geary
Cooper, Clarence C.	B.S.A., Langston University	Luther
*Ellis, Hasko	B.S.A., Langston University	Holdenville
English, Thomas	B.S.A., Langston University	Ada
*Fuhr, Samuel E.	B.S.A., Langston University	Okmulgee
Gamble, Marshall E.	B.S.A., Langston University	Watonga
Holt, Cecil G.	B.S.A., Langston University	Wewoka
Jenkins, James M.	B.S.A., Langston University M.S., Colorado A. & M. College	Oklahoma City
Johnson, Garfield	B.S.A., Langston University	Broken Bow
Lewis, Reedy T.	B.S.A., Langston University	Sapulpa
Marshall, William A.	B.S.A., Langston University	Hugo
McDonald, George	B.S.A., A. & T. College, N. Carolina	Muskogee
Moore, Thurman H.	B.S.A., Langston University	McAlester
Parker, Willie B.	B.S.A., Langston University	Choctaw
Price, Homer B.	B.S.A., Langston University	C
Scott, Albert	B.S.A., Langston University	Idabel
Smith, Maceo L.	B.S.A., Langston University	
Taylor, John E.	B.S.A., Langston University	Dover
Word, George Oliver	B.S.A., Langston University	Shawnee

* On leave.

**AGRICULTURE AND HOME ECONOMICS
EXTENSION SUPERVISORS**

Brooks, Paul O.	Langston
B.S.A., Kansas State Agricultural College	
District Agent	
Hewlett, Helen M. Fowler	Langston
B.S., Rust College	
District Home Demonstration Agent	
Taylor, J. E., Sr.	Langston
B.S., Alcorn A. and M. College	
Assistant State Farm Labor Supervisor	
Mewborne, Cavannah	Langston
B.A., Langston University	
Secretary, Extension Service	

COUNTY AND HOME DEMONSTRATION AGENTS

Anderson, Anna L.	Okmulgee
Diploma, Spelman College	
Boone, Matye C.	Muskogee
B.S., Kansas State Teachers College	
Pittsburg, Kansas	
Bruner, Columbus C.	Lincoln
B.S.A., Langston University	
Black, Thomas H., Jr.	Logan
B.S.A., Langston University	
Floyd, J. G.	Seminole
Diploma, Langston University	
Graves, Willie P.	Seminole
B.S., Langston University	
Hicks, Matt B.	McCurtain
B.S., Langston University; M.S., Colorado State College	
Homer, LaVerta Greer	Lincoln
B.S., Tuskegee Institute	
House, Rosa Parker	Logan
B.S., Kansas State Teachers' College; Graduate work, <i>ibid.</i>	
Johnson, C. E.	Okfuskee
B.S., Alcorn A. & M. College; Graduate work, Iowa State College.	
Johnson, Evelyn	Oklahoma
B.S., Hampton Institute	
King, Hazel O.	Creek
Diploma, Langston University	
McCain, Lula B.	Okfuskee
Diploma, Kansas	
Paul, Otha A.	Okmulgee
B.S.A. and I. College, Tennessee	
Robinson, Booker T.	Oklahoma
B.S.A., Langston University	
Walker, C. E.	Creek
B.S., Langston University	
Watlington, J. M.	Muskogee
B.S.A., A. and T. College, Greensboro, N. C.	
Word, B. M.	Wagoner
B.S.A., Langston University	

Agricultural Adjustment Agency

Fuhr, A. H.	Langston
Contact Representative	

GENERAL INFORMATION

Location

The University is located at Langston, Oklahoma, eleven miles east of Guthrie and one and one-half miles west of Coyle. It may be reached over the Santa Fe railroad, via Oklahoma City and Guthrie or Cushing; also by bus line from Tulsa and Guthrie. The College is situated on a beautiful hill overlooking a vast expanse of open prairie. It is within easy walking distance of the village of Langston, a community of some five hundred people.

HISTORICAL STATEMENT

Establishment and Purpose

The Agricultural and Normal University was established by Act of Territorial Council and House, March 12, 1897. The bill (Council Bill of No. 87—House Bill 151) was introduced in the Council February 4, 1897, by Honorable J. W. Johnson, President of the Council, who was at that time a very eminent lawyer at Oklahoma City. Upon the introduction of the bill it was taken in charge by Honorable Henry S. Johnston and it was signed by J. W. Johnson, President of the Council; J. C. Tusley, Speaker of the House; and approved by William C. Renfrow, Governor of Oklahoma Territory.

Section One of said House Bill No. 151, locates the institution, and sets forth the purpose for which the institution is established and defines its objectives as follows:

"The Colored Agricultural and Normal University of the Territory of Oklahoma is hereby located and established at or within a convenient distance from Langston, in Logan County, Oklahoma Territory, the exclusive purpose of which shall be the instruction of both male and female colored persons in the art of teaching and various branches which pertain to a common school education; and in such higher education as may be deemed advisable by such Board, and in the fundamental laws of the United States, in the rights and duties of citizens and in the Agricultural, Mechanical and Industrial Arts."

Personnel of the Territorial Council—The Council as Constituted when this act was passed, was composed of thirteen members as follows:

Honorable J. W. Johnson, President: Henry S. Johnston, C. M. Brown, E. J. Clark, J. D. DeBois, A. W. Fisher, William Garrison, C. W. Gould, H. S. Hanner, B. B. Learned, D. P. Marum, D. S. Randolph and J. W. Lynch.

However, by far the most influential and most interesting Negro in the establishing and locating the school was Dr. A. J. Alston, who was then practicing physician in the town of Langston. He was a very able man in his day and wielded much power and influence among both whites and Negroes.

Upon the establishing of the Institution and the adopting of the final plans for the opening of its doors, the Board of Regents called to the honorable position of President of the University, the late Inman E. Page, a graduate of Brown University, who was then serving as President of Lincoln Institute (Now Lincoln University), Jefferson City, Missouri.

A bill, introduced in the House of Representatives by Carl Morgan, and in the Senate by Louis H. Ritzhaupt, both of Logan County, enacted by the eighteenth legislature and signed by the Honorable Leon C. Phillips, Governor of the State of Oklahoma, May 1, 1941, provided that The Colored Agricultural and Normal University should be officially renamed Langston University.

The institution has been popularly known as Langston University, both within and without the state. The college, as well as the all-Negro town on the edge of which it is located, was named for the famous Negro leader, John Mercer Langston, who died in 1897.

During his life time John M. Langston was a symbol of the highest type of educational leadership. He attended Oberlin College, and for many years practiced law in the city of Oberlin. He served for eleven years as member of the board of education in this famous Ohio city and was twice elected to its governing council.

His deep interest in the education of his race is evidenced by the many positions of leadership he accepted in connection with it. At one time he supervised the schooling of Negro youth in Ohio; at another time he was inspector-general of the freedmen's schools. He was the first dean of the Howard University Law School and for a time served as acting-president of the newly established university. Later he became president of the Virginia Normal and Collegiate Institute, now known as Virginia State College.

His political achievements included his appointment as consul-general to Haiti and his election to Congress from the state of Virginia.

Today Langston University is the largest and most influential reminder of the life and achievements of this worthy man.

PHYSICAL PLANT

Agricultural Buildings

This group of buildings was erected in 1941. The group includes the Agricultural Engineering Building, Dairy Barn with a modern pasteurizing unit, two Silos, and a Poultry House.

Appropriations are now available for the erection of the Beef-Cattle Barn, and additional funds may soon be available for the erection of a Horse Barn.

In 1942 the University began the building-up of a Beef-Cattle herd by purchasing registered Hereford cattle from the Turner Ranch, Sulphur, Oklahoma.

In the fall of 1943 the University purchased a registered Hereford bull, T Royal Rupert 118th, sired by Hazford Rupert 81st. The bull owned by the University is a brother to the T Royal Rupert 99th which recently sold for \$38,000.

Gymnasium

The Gymnasium is a large and spacious building, the central portion of which is used for physical education, the west portion for office and store room of gymnastic fixtures, and the east portion for music studio.

Central Heating Plant.

This unit provides heat for the University.

Home Economics Cottage.

A modern stone structure was erected in 1930, to provide a house for the major students in the department of Home Economics. It provides ample opportunity for young women to learn the science and technique of home making.

Industrial Arts Building.

A one and one-half story brick and concrete structure housing all of the shops.

Infirmary.

Erected in 1940. This structure is a one story brick building and will accommodate twenty-one (21) students.

Laundry.

The University has a complete laundry unit housed in a separate building.

Marquess Hall.

This Dormitory is a two story brick building which provides space for ninety-six men.

New Tailor Shop.

Erected in 1940.

Nursery School.

The Nursery school now occupies what was previously the school's infirmary.

Page Hall.

Page Hall is a two-story brick and stone building with basement, named in honor of Inman Page, the first President of the University. It houses the Secondary School, and the Library.

Phyllis Wheatley.

A dormitory for women. It was built in 1903 and was modernized in 1940.

Poultry Plant.

A modern one story brick building erected in 1941.

President's Home.

Situated on the southwest corner of the campus is a red brick structure well suited for convenience and comfort of the President's family.

Sanford Hall.

The largest of the three Women's dormitories, Sanford Hall was erected in 1937. It is a three story brick building with modern equipment which accommodates one hundred fifty-six (156) women.

Science and Agriculture Building.

This is one of the newer buildings on the campus, a three-story brick building constructed in 1940. This building houses the Department of Natural Science and Agriculture.

Teachers' Homes.

Through the generosity of the General Education Board, six cottages for teachers, were erected along the south front of the campus.

Training School Building.

Finished in 1928 is a one-story brick and concrete structure, conveniently designed for accommodating about one hundred pupils. It offers modern facilities for practice work in teaching.

University Men.

A three story brick building to which two additions have been made, this accommodates one hundred four men.

University Women.

A girl's dormitory erected in 1928. It is a modern building and can easily accommodate one hundred students.

1. **ADMISSION AS FRESHMAN.** Any student who is a graduate of an accredited high school or who has completed not less than fifteen curricular units of accredited high school work, will be admitted to regular freshman college standing unconditionally. The fifteen units should include three to four in English, one to two in Mathematics, one in American History, and one in natural Science. By accredited high school work is meant that which, if done in this state, is approved by the Oklaoma State Board of Education, or, if done in another state, that which is approved by the State Board of Education of that state or the official accrediting agency of that state.

2. Every student who is admitted to freshman college standing will be required to take a standard intelligence test and a standard test in English.

3. **ADMISSION TO ADVANCED STANDING**—A student is eligible for advanced standing provided that he has completed college work in other institutions of standard rating and has withdrawn in good standing. Any student who transfers from such an institution and has earned in excess of ninety semester hours, shall, regardless of that fact, be required to complete a minimum of thirty semester hours (one academic year) of work in residence at this institution.

No student transferring to this institution shall offer as a major for graduation a field of work in which he has not taken one or more advanced courses while in residence here. He must also have the signed approval of the head of the department.

Students transferring from non-accredited institutions must complete one semester's work (sixteen semester hours) in residence at this institution before advanced standing shall be given. Complete official transcripts of credit records must be presented on or before the date of registration.

4. **JUNIOR COLLEGE WORK.** Work completed in an accredited Junior College may be accepted toward meeting requirements for graduation or for certification. A graduate of a Junior College may transfer not more than sixty two semester hours of college work.

5. **REGISTRATION REQUIREMENTS.** Registration after prescribed days is subject to a late registration fee of \$2.00. In addition to the late registration fee a student may be required to carry a reduced study load.

a. Required courses must precede elective courses in the order of their requirements.

b. No credit is given for work in which the student is not officially registered.

c. No student may enroll for less than 12 nor more than 16 semester hours except by approval of the Dean.

d. Reduced study loads may be scheduled because of (1) outside work and (2) ill health.

6. CHANGE IN REGISTRATION. Change in registration may be made during the first two weeks of either semester. A course dropped with the permission of the Advisor and approval of the Dean during the first two weeks of class work in either semester will not be included in registration for that semester. A course dropped without official approval shall be recorded in the office of the registrar as a failure.

When a student withdraws from college, the instructor will be asked to report provisional grades indicating the quality of work at the time of withdrawal.

7. STUDY LOAD. The normal load shall be fifteen semester hours. A student with a scholastic average of "B" or better may upon permission of his advisor and approved by the dean, take not more than 18 academic semester hours.

8. CLASS ATTENDANCE.

a. Students are expected to attend all classes and not to be absent without adequate reasons. An absence may be considered excused only when covered by a written administrative statement or by a certificate of protracted illness. In case of sick certificate, such statements must be issued or countersigned by the school physician, or nurse.

b. When a student has unexcused absences in any course, during one semester amounting to one or more than twice the number of credit hours, such student shall be excluded from the course, and a failing grade shall be recorded.

Explanation: In a four-hour course, eight unexcused absences shall be allowed; in a three-hour course six unexcused absences shall be allowed, etc.

c. An absence from a class exercise, whether excused or unexcused, does not relieve a student from responsibility for the performance of any part of the work required in the course during the period of his absence.

d. An absence immediately preceding or following a holiday will constitute a double absence in the course or courses involved.

9. CLASS PERIODS. The regular lecture-recitation class period is sixty minutes in length, including time for transition. Laboratory periods are one hundred twenty minutes in length.

10. CREDIT. Credit for courses is given in terms of semester hours. A semester hour of credit is given for the equivalent of one class period per week for a semester of eighteen weeks.

11. GRADES AND GRADE POINTS:

A—Excellent—90-100%—3 grade points per semester hour.

B—Good—80-89%—2 grade points per semester hour.

C—Fair—70-79%—1 grade point per semester hour.

D—Poor—60-69%—no grade points.

F—Failure—Below 60—1 grade point per semester hour.

I—Incomplete. An Incomplete becomes "F" if not removed before the end of the next period of registration.

W—Withdrawal.

A student must make as many grade points as the number of hours for graduation for his chosen curriculum.

12. SCHOLARSHIP. A student who fails in one third or more of the work in which he is enrolled is placed on scholastic probation the next semester. If he should fail in one third or more of his work during the semester, he will be dropped for poor scholarship, for one semester.

13. EXAMINATIONS. Regular examinations designed to test the entire work of the course are held at the close of each semester. Students are required to take all tests and examinations. Absence from tests or examinations will be excused only on immediate presentation in writing, of a satisfactory explanation which meets the approval of the dean of the college. In case of illness the student should present a doctor's certificate or one from the university nurse.

14. Courses in the 100 and 200 series are intended primarily for freshmen and sophomores. Those numbered in 300 and 400 series are primarily for Juniors and Seniors.

Juniors and Seniors who take courses in the 100 or 200 group without the approval of the head of the department and the dean will have their number of hours for graduation increased by the number of hours taken in these courses.

15. CLASS STANDING is determined as follows: Less than thirty-two semester hours. Freshman; thirty-two to sixty-two. Sophomore; sixty-three to ninety-three. Junior; more than ninety-three, Senior.

Freshman Week

All freshmen are required to be present during the days designated as Freshman Week, September 4-8.

The University sets aside at least six days as Freshman Week at the beginning of each academic year in order to assemble the freshmen before the rush of the general registration. The purpose of this program is to make the students acquainted with one another, the physical plant, rules and regulations, objectives and organization of the University. During this period the freshman receives a physical examination, is assigned to advisers, and takes all placement and achievement tests. Other features of the program include a "talent night" and a series of teas and receptions.

Freshman Week is followed by a series of freshman lectures, meeting once a week, and scheduled throughout the entire first semester. Attendance at these lectures is required of all freshmen. No student will be given credit for having completed the freshman year until a satisfactory grade in freshman lectures is recorded in the Registrar's Office.

Summer Session

The Summer Session of Langston University offers unusual opportunities to students who desire to shorten their collegiate courses and to in-service teachers who wish to complete the requirements for a degree or meet the State requirements for certification to teach in elementary or high schools. Excellent opportunities, too, are provided for persons who seek refresher courses in certain fields. Workshops and conferences are always special features of the summer program.

The regular Summer Session extends over a period of eight weeks, giving a maximum of eight semester hours credit.

Six-Week Session

The University offers a special six-week program during September and October for teachers who cannot take full advantage of the regular summer session. A limited number of courses is offered and the maximum credit allowed amounts to six semester hours. Teachers who wish to register in this program should make application in August, stating the specific course or courses in which they wish to enroll.

University Publications

The University issues during the year a series of publications together with numerous programs, folders, and announcements. The administrative publications include the general catalog and the bulletin of the Summer School. On occasions, the general catalog appears as a research bulletin.

The University sponsors and publishes **The Southwestern Journal**, a quarterly periodical devoted to scholarly research, book reviews, and significant events in academic circles. **The Langston Review** is a student newspaper, sponsored by the University and directed by a student staff of editors.

Scholarships and Prizes

Prizes and awards are offered by organizations and individuals interested in furthering high scholarship in the University.

1. President G. L. Harrison offers a scholarship of \$50.00 to the entering freshman who excels in the achievement and placement tests taken at the time of entrance.

2. The Langston University Alumni Association offers three scholarships amounting to \$50 each to (1) the freshman maintaining the highest scholastic average during two consecutive semesters, (2) the sophomore maintaining the highest scholastic average during two consecutive semesters, and (3) the junior maintaining the highest scholastic average during two consecutive semesters.

The scholarships are awarded at the end of the regular academic year and students winning either of the awards must return to the University not later than the beginning of the second semester of the next regular year.

3. **THE G. L. HARRISON MEDAL**—To the student with the best average and adaptability in the graduating class of the division of agriculture rated as the honor student graduating in the division.

DEPARTMENTAL CLUBS

1. **THE AGGIE CLUB**—A club comprised of young men in the division of Agriculture.
2. **THE MECHANICAL CLUB**—Students majoring in some phase of industrial arts are eligible for membership in this club.
3. **HOME ECONOMICS CLUB**—
4. **THE CHEMISTRY CLUB**—A study club made up of students majoring in chemistry.
5. **THE DEBATING SOCIETY.**
6. **LANGSTON UNIVERSITY DRAMATIC CLUB.**
7. **THE SOCIAL SCIENCE CLUB.**
8. **THE INTERNATIONAL RELATIONS CLUB**

SOCIAL CLUBS

1. TRI ZETA CLUB. A social organization for young women. Its purpose is to foster high ethical, moral and scholastic standards; to direct the social life of the young women into the correct channels and to develop initiative and leadership.
2. IOTA BETA CHI CLUB. An organization of young women whose aim is to stimulate interest in scholarship, higher social and cultural standards, and to make worthy and useful contributions to the institution.
3. PHILORATI CLUB.

FRATERNITIES AND SORORITIES

Undergraduate chapters of seven national Greek-letter organizations are recognized by the University. They are the following:

1. Alpha Phi Alpha—Beta Kappa
2. Kappa Alpha Psi—Alpha Phi
3. Omega Psi Phi—Phi Psi
4. Iota Phi Lambda—Delta Gamma
5. Alpha Kappa Alpha—Alpha Zeta
6. Zeta Phi Beta—Lambda Alpha
7. Delta Sigma Theta—Beta Upsilon
8. Lambda Omicron—Alpha

CHRISTIAN ORGANIZATIONS

The Y. W. and Y. M. C. A. are free, voluntary, non-denominational fellowships of students and faculty members whose purposes are to follow the true commandments of Jesus that men establish a father-son relation to God and a brotherly relation to man.

It is affiliated with the State, Regional, National and International Movement of Christian Organizations.

Its program comprises a weekly cabinet meeting, a bi-monthly membership meeting, a weekly worship service, forums, book reviews, discussions on religious, social, educational, and community problems.

Each student should affiliate himself with this organization.

STUDENT LOANS

Three funds are available for student loans.

The Alumni Loan Fund is provided by the general Alumni Association and is available to students who find themselves in need of small sums for books, supplies and other incidentals.

Beta Iota Sigma Chapter of the Delta Sigma Theta Sorority maintains a fund for small emergency loans to students.

The John E. Buford Memorial Fund was established by the family of the late John E. Buford and is available for loans to students doing passing work on or above the sophomore level.

MUSICAL ORGANIZATIONS

The Organizations of the Department of Music are as follows:

- The University Service Choir.
- The University Men's Quartette
- The University Men's Chorus
- The University A Capella Choir
- The University Women's Sextette
- The University Band

STUDENT ORGANIZATIONS

1. **STUDENT COUNCIL.** The student body is self governed. This is accomplished through an organization known as the Student Council. The organization has a constitution and by-laws, and is under the supervision of the faculty.
2. **THE WOMEN'S COUNCIL.** An organization composed of the heads of student women's groups. Its chief function is to assist in the directing of all activities of women students. This group has as consultants, a faculty Sponsor and the Dean of Women.

HEALTH SERVICE

All students entering school are expected to have adequate health to enable them to carry out the school's activities and requirements.

All freshmen and new entries are required to have a physical examination including a blood test, small-pox vaccination, tuberculin test, typhoid vaccination, etc. All persons who handle food, and all athletes are required to have the same examination.

All students living in the dormitories are expected to eat in the dining room.

All students ill enough to be in bed are required to enter the infirmary.

Student health fee is included in the Registration fee. This fee will permit the use of the dispensary and hospitalization when ill. Students who do not board on the campus must pay 50 cents per day for board while in the infirmary.

Faculty members and employees using the dispensary will be required to pay a fee for medicines and materials used.

The University will not be responsible for surgical operations.

Health lectures will be given from time to time. All students are required to attend these lectures.

In co-operation with the State Health Department and the Logan County Health Unit, a free clinic is held for the treatment of all social diseases. For their own benefit, all students and employees of the school are urged to have a blood test, etc.

ATHLETICS

Langston University sponsors Inter-collegiate competition in the following sports: Football, Basketball, Track, and Tennis.

The University holds membership in the Southwestern Athletic Conference.

Athletics are controlled by the Athletic Council which is composed of three faculty members, one student, and one Alumnus.

THE LIBRARY

The library is housed in the entire north section of the first floor of Page Hall, one half of the south section, and one room for stack expansion of the second floor of the north side. It is composed of a work room, main reading room, reference room, reserved book room, high school reading room, and a War Information Library. The potential seating capacity is 184 for college students and 30 for the high school reading room.

The book collection contains approximately 13,000 volumes including selections representing all of the departments of instruction, general materials, and recreational materials. The War Information Library has a collection of materials dealing with the several aspects of the war as carried on by the United Nations.

The library has become a selected depository for government documents, and several volumes of outstanding government publications are now on its shelves.

The library currently receives 247 magazines, and 13 daily and weekly newspapers.

EMPLOYMENT FOR STUDENTS

A very limited number of students are granted work during the summer at the University for which work credit is given on his entrance fees and monthly expenses. A certain number of students are engaged by the University for part-time employment in the dormitories, on the grounds, as assistants in the laboratories, library, and offices, and as waiters in the dining room, and assistants in the laundry. The employment service seeks to aid deserving students with their college expenses, and no student will be permitted to hold a job unless he passes in at least seventy-five per cent of his academic work. Persons who fail to live up to these requirements will be replaced without further notice. Those who wish to make application for student employment should communicate with the Chairman of Student Employment Committee.

GENERAL INSTRUCTIONS AND REGULATIONS CONCERNING PAYMENT OF FEES

All institutional fees, tuition, and room and board are payable in advance. A student whose account is five days past due will not be permitted to remain in the institution.

The payment of registration fee, maintenance cost, or any other charges set by the institution should be made either by money order, certified checks, or currency; however, currency should not be sent through the mail, unless registered. Such payments should be made payable to Langston University and sent to the Chief Clerk.

No student will be permitted to begin a new semester or summer session whose bills of a previous semester or summer session have not been paid in full.

The full payment of all charges and balances standing on the books of the institution must be made before certificates, diplomas, or degrees will be issued.

General Fees and Deposits per Semester

Registration fee	\$18.00
State Property deposit	5.00
Key deposit75
Late Registration fee	2.00
(Effective 4 days after registration begins)	

Other Fees per Semester

Music fee	\$5.00
Commerce fee	4.00
Home Economic fee	4.00
Science Laboratory fee	3.00
Educational Laboratory fee	1.50

Statement Regarding Non-Resident Fee

An out of state student may be charged a non-resident fee up to \$75 per semester. However, Oklahoma reciprocates with other states in that a student entering Langston University will be charged the same non-resident fee as an Oklahoma student would be charged if such student entered the state university in the state from which the student comes.

Refunds and Reductions

Students withdrawing prior to October 15 in the first semester, and February 25 in the second semester, will be refunded all of the registration fee for that period except \$5.00.

A student who withdraws properly from the institution will be entitled to a refund of charges for board paid in advance of date of withdrawal. Reductions for board will not be made for absences of less than a week.

A state property deposit is refunded at the end of the year, or when a student is withdrawing from school, upon presentation of a departure notice from the Dean of Men or Dean of Women, stating that the state property has not been damaged.

The key deposit is refunded when the key has been returned to the financial office at the end of the school year, or summer session.

Normal Expenses

A budget of \$325.00 per year for room, board, and miscellaneous expense will enable a student to live comfortably at the University. Some students live on less. However, due consideration should be given to health.

The cost of room and board for student living in the dormitories varies from \$24.00 to \$25.00 per school month or four weeks. This amount is payable in advance on the first of each month. If a student's room and board is not paid by the 5th of the month at which it is due, the student will be denied admission to the boarding department and may be required to vacate his room in the dormitory. The cost of maintenance is set up on twenty-eight-day periods, but for the convenience of patrons, the institution has permitted room and board to be paid on the first of each month; therefore, no allowance will be given for the beginning and ending weeks of the school year, nor for holiday periods, as holidays are excluded from the nine pay periods.

GENERAL STATEMENT OF ENACTMENT

The act of the legislature creating Langston University reads as follows: "The Colored Agricultural and Normal University of the Territory of Oklahoma is hereby located and established at or within a convenient distance from Langston, in Logan County, Oklahoma Territory and the exclusive purpose of which shall be the instruction of both male and female colored persons in the art of teaching and various branches which pertain to a common school education; and in such higher education as may be deemed advisable by such Board, and in the rights and duties as citizens, and in the Agricultural, Mechanical and Industrial Arts."

GENERAL OBJECTIVES OF THE COLLEGE

Langston University, a Negro Land-Grant College, exists for the purpose of promoting through instruction the practical applications of knowledge to specific life situations.

Note: All fees including room and board are subject to change according to the varying costs of living.

Five basic areas of service are as follows:

1. To provide training for a cultural background, health, balanced personality, and normal social adjustment.
2. The training of teachers for those branches of service which meets the common demands of the State.
3. The training in definite skills, which enables those taught to attain greater economic freedom.
4. To provide pre-professional training.
5. To promote research work directed toward solving group problems.

ORGANIZATION

The work of the college is grouped into Divisions and departments as follows:

1. Division of Agriculture.
2. Division of Arts and Sciences.
3. Division of Education.
4. Division of Home Economics.
5. Division of Industrial Arts.

Departments of instruction are listed elsewhere in the catalogue under each of the five divisions.

REQUIREMENTS FOR GRADUATION

The College offers the Degrees of B. A., B. S., B. S. in Agriculture, B. S. in Education, B. S. in Home Economics, B. S. in Industrial Arts, B. S. in Industrial Engineering, and B. S. in Business Administration.

1. All financial obligations to the college must be settled in full before a candidate is placed on the eligibility list for graduation.
2. To receive a Bachelor of Arts degree the student must choose a major from one of the following:

Art
English
History
Music
Political Science
Sociology

3. To receive a Bachelor of Science degree the student must choose a major from one of the following:
 - Biological Science
 - Business
 - Chemistry
 - Commerce
 - Mathematics
 - Physics
4. The minor should be selected on the advice of the Major Department.
5. For the B. S. Degree in the specialized fields of Agriculture, Business Administration, Commerce, Elementary Education, Home Economics and Industrial Arts, see curricula as outlined.
6. Thirty additional hours after graduation must be completed before another degree can be conferred.
7. Four hours of Physical Education are required of all students.
8. Minimum hours required for graduation, 124, including Physical Education, and 120 grade points.
9. Work not to exceed thirty hours may be completed by correspondence and Extension. Not more than fifteen hours of work in the major and minor fields may be completed by correspondence and extension.
10. Students who major in Fine Arts are exempted from the Natural Science and Mathematics requirements.
11. At least forty-five percent of the hours presented for graduation must be work on the Senior College level (courses numbered 300 or 400).
12. The last eight hours must be done in residence.
13. Thirty-six weeks of residence work with not less than thirty semester hours of credit are required on all degrees.
14. The curricula are so arranged as to satisfy State requirements in the elementary and secondary teaching fields.
15. Students completing the requirements for graduation in the field of Elementary Education with a Life Certificate will receive the B. S. degree in Education.
16. Students completing the curriculum in Agriculture will receive the degree of B. S. in Agriculture.

17. Students completing the curriculum in Home Economics will receive the degree of B. S. in Home Economics.
18. Students completing the curriculum in Industrial Arts will receive the degree of B. S. in Industrial Arts.
19. Students completing the requirements for graduation with a Life Certificate in a secondary teaching field will receive the degree corresponding to the major field selected.
20. See advisor for major requirements for the B. A. or B. S. degree with or without the teacher's certificate.
21. Curriculum substitutions may be made on recommendation of the Head of the Department and by approval of the Dean of the College.

DEGREE WITH HONORS

The degree of Bachelor of Arts, or Bachelor of Science may be granted with Cum Laude, Magna Cum Laude, or Summa Cum Laude.

REQUIREMENTS FOR HONORS OF DISTINCTION

Cum Laude: May be granted to the candidate having no grade below D, and an average grade point of 2.00. Magna Cum Laude may be granted to the candidate having no grade below D, and an average grade point of 2.40. Summa Cum Laude may be granted to the candidate having no grade below D, and an average grade point of 2.70.

Note: (1)—To be eligible to graduate with "honors", a student must do four years of work in residence in this University. Students who do less than a hundred and twenty hours of work in residence may graduate with "distinction" on the basis of honor grade points.

Note: (2)—The names of all students making an average of A or B during any semester, are announced to the student body and the general public.

DIVISION OF AGRICULTURE

FACULTY

- Settler, S. H., M.S.—Director and Professor of Agriculture
Garrett, W. C., B.S.—Assistant in Agriculture
Gilyard, O., B.S.—Part-time Instructor Agricultural Engineering
Jones, D. C., M.S.—Associate Professor of Agricultural Education
Prewitt, A. B., B.S.—Instructor of Agricultural Engineering
Simms, W. E., M.S.—Instructor of Plant Production

GENERAL OBJECTIVES

- A. To prepare efficient farmers
1. Skilled in agronomy and horticulture
 2. Skilled in animal husbandry
 - a. Dairying
 - b. Swine
 - c. Poultry
- B. To prepare teachers of Vocational Agriculture
- C. To prepare men for service as County Extension Agents
- D. To offer a two-year course for the preparation of dirt farmers

ORGANIZATION

The Agricultural services of the institution are carried on through the following three Major Fields:

1. Agricultural Education (Smith-Hughes)
2. Agricultural Extension (Smith-Lever)
3. Residence Teaching.

AGRICULTURAL EXTENSION SERVICE

Paul O. Brooks, B. S.—State Agent for Extension Work

H. M. Fowler Hewlett, B. S.—State Agent for Home Demonstration Work

The Negro Division of Agricultural Extension Service in Oklahoma is operated by the U. S. D. A. in cooperation with the Oklahoma Extension Service. Farm demonstration, home demonstration, club work, boys and girls annual short courses, short courses for in-service agents are important parts of the system.

The purpose of Agricultural Extension Work is to carry to the rural people practical and simple instructions and information that will help them in the performance of regular farm and home duties with satisfaction sufficient to make the home farm a better place to live.

In short, County and Home Demonstration Agents digest the work and discoveries of modern science and fit it to the needs of the specific farm situations so that sustaining agriculture may replace our once soil depleting system. The purpose of which is to combine brains and skill in the performance of every day tasks associated with farm living.

RESIDENCE TEACHING

University Farm

The university has 400 acres of land on Highway 33, ten miles north-east of Guthrie, Oklahoma. The soil, a reddish yellow loam of sand stone, origin prairie soil. One hundred fifty-seven (157) acres of this land are under cultivation and serve as a farm laboratory. Highway 10 acres; campus site, 40 acres; drives, buildings and cemetery, 9 acres; creek, 7 acres; boundary lines, 6 acres; permanent pasture, 108 acres; wood land pasture and idle land, approximately 39 acres; garden, 9 acres; piggery, 12 acres, and poultry plant, 3 acres.

EQUIPMENT

Activities of the division of agriculture are housed in four brick structures. The Agricultural and Science Hall, a three story modern brick structure in which the agricultural offices, extension offices, agricultural education office and work room, farm management and animal husbandry work rooms, laboratories in crops and soils and class rooms are located. The dairy and pasteurizing plant is a three-unit structure. The laboratory and pasteurizing plant house, the latest mechanical and refrigeration machinery and equipment for operating a complete medium size dairy. The lounging shed and milking parlor are most modern, a simplified Walker Gordon rotalactor. The latest in the production of Grade A raw milk. The barn is a two story structure, accommodating a hay loft, feed storage rooms, two 159 ton silos, maternity stalls and calf pens. Two breeds of cattle are maintained. The agricultural engineering building (slaughter house and judging arena) is a one story structure, built on a plan to balance the dairy unit. The arena and slaughtering pen are arranged so that one may become an auditorium and the other a stage, or used separately, promoting activities for boys and girls who may be interested. The farm shop has facilities for an office, tool storage, wood work, iron work, welding, farm machinery repair and storage. The new poultry brooder house, a one story brick structure has facilities for incubating and brooding; judging, picking, dressing and grading poultry and eggs. One 2016 egg incubator is used for laboratory and production work.

The present laying house is 80 feet by 20 feet and accommodates 400

laying hens. Trap nests at present are situated in the laying house for checking production of the flock. Three breeds of birds are maintained. A brooder house which accommodates 1500 baby chicks is heated by gas and provided with 3 canopy hovers.

DIVISION SPONSORED PROJECTS

The Division of Agriculture offers an opportunity for a limited number of farm boys who have developed livestock projects during their high school career under the supervision of their County Agent or Vocational Teacher to bring their projects to the university campus, as a means of helping finance their college education. Persons may secure information about projects from County Agents and Teachers of Vocational Agriculture.

It is our hope that such a program will fill two needs, namely:

1. To enable some worthy farm boy to secure a college education.
2. To secure the much needed experience for succeeding in a practical situation after graduation.

GENERAL INFORMATION

Agriculture is a basic industry to the welfare of any people. A large percentage of the Negro population is still engaged in agricultural pursuits. Agriculture is so closely related to many other industries that it opens up a large and varied field of opportunity. The Division of Agriculture offers to men and women several four-year programs of study leading to the degree of bachelor of science in Agriculture.

The work of the division is designated to give broad education and a thorough training to those sciences which are the basis of scientific agriculture. The various courses are planned for preparing students for various types of farming—agricultural high school teachers, extension workers, college teaching and businesses associated with agriculture.

Fundamental subjects common to all curricula are English, Chemistry, Botany, Mathematics, Bacteriology, Entomology and Economics.

The work of the Freshman and Sophomore years is common to all agricultural students. Specialization begins with the Junior year with such differentiation in courses as the faculty and equipment will permit.

The courses in Agronomy, Animal Husbandry, Poultry Husbandry, Agricultural Engineering, and Horticulture give thorough training in the scientific principles underlying the practical work in the most important type of Oklahoma agriculture.

AGRICULTURAL ORGANIZATIONS

There are two faculty sponsored student organizations among the agricultural students. The Technical Agricultural Seminar; all regularly

enrolled students are eligible for membership in this organization. The objective being mainly student fellowship and improvement through public participation.

The college chapter of the N. F. A. is a graduate chapter of the high school organization. The functions of which are similar to the above but of a more routine nature allied with the promotion of teacher training practices. Membership in which is predicated on former standing in a high school chapter. Membership in one of which is compulsory to be in good standing in the division.

REQUIREMENTS FOR ADMISSION

Students who elect the four year degree courses are required to be admitted through the regular admission to the university as set up by the administration. Women students may major in agriculture but will be expected to meet standards set up for the men.

GRADUATION

A student must have satisfactorily completed a minimum of 127 semester hours of work and must meet the requirement in his major field of concentration. Agricultural Education majors and elementary agricultural teachers should include specified courses outlined by the state for certification. Membership in good standing must be maintained in one of the agricultural organizations sponsored by the division.

FARM PRACTICE REQUIREMENTS

For those who in the opinion of their major advisor feel that their farm practice is limited, they are required to spend their summer vacation between the sophomore and junior year on the university's farm or an approved farm to acquire this practice. Credit for which may be assigned but shall not count in the total 127 hours required for graduation.

Comprehensive examination in general will be given by the agricultural faculty to all seniors at the beginning of the second semester, as a basis for determining to what degree the student has been able to profit by the instruction given and as a guide for future use in predicting success and correlating credits with achievement in later life on a real job.

OBJECTIVES

AGRICULTURAL ENGINEERING DEPARTMENT

To teach students the fundamentals in Agricultural Engineering, and acquire necessary skills.

1. Construction, operation and repair of farm machinery and equipment.

2. Terracing and Drainage.
3. Construction of Farm Ponds.
4. Designing and Constructing Farm Buildings.
5. Farm water supply, Sewage disposal, and Farm Electricity.

ANIMAL PRODUCTION

Objectives of the Animal Production department which is comprised of Dairying, Production of Beef Cattle, Hogs, Horses, and Sheep, are as follows:

1. Economic production of livestock and livestock products.
2. The adaptability of the different classes of livestock to various farm situations.
3. The maintenance and improvement of soil fertility by integrating livestock and crop production.
4. To instill into the students the importance of care, sanitation, disease control, and humane treatment in the handling of livestock.
5. An understanding of fundamental problems involved in feeding and marketing livestock.
6. Processing of animal products:
 - a. Marketing milk and cream
 - b. Meat cutting and curing.
7. Operation of standard equipment:
 - a. Creamery equipment
 - b. Refrigerating units
 - c. Incubation
 - d. Brooders
8. Land utilization in its relation to livestock production.

PLANT PRODUCTION

The work in Plant Production is to provide:

1. Basic training in Horticulture, Crops, and Soils.
2. To create a strong interest in growing and improving economic plants.
3. To develop skill in economic production (crops) in plants grown in Oklahoma.

4. To provide phases of Vocational training in the arts and sciences of plant production:
 - Plant Propagation
 - Insect and Disease Control
 - Crop Rotation
5. To become familiar with the different soils of Oklahoma and the Southwest.
 - To maintain soil fertility
 - To learn methods for soil improvement
6. To aid in the preservation of community, state, and National forestry.

AGRICULTURAL EDUCATION

The objectives of Agricultural Education are to train young men to develop and exercise the functions of rural leadership:

1. In farm business organization.
2. In improving farming practices.
3. In improving the social and economic life of rural communities.

After completing the two-year basic work in Agriculture, students may either major in Agricultural Education, the primary purpose being to train Vocational teachers, or they may major in Technical Agriculture, which emphasizes the following fields:

1. Animal Production
2. Plant Production
3. Agricultural Engineering

In addition to the technical courses in the field of their choice, students majoring in Technical Agriculture are advised to take other courses in Chemistry and Biology.

BASIC CURRICULUM**FRESHMAN**

	First Semester	Second Semester
Chem. 101-102, Chemistry	3	3
M. L. 101-102, English Comp.	3	3
A. P. 141-142, Farm Poultry	2	3
Ag. 101-102, Field Crops—Forage Crops	3	2
Ag. Eng. 161, Farm Shop		2
A. P. 131-132, Breeds and Types—Farm Meats.....	3	2
Physical Education, 101-102	1	1
Total.....	15	16

SOPHOMORE

	First Semester	Second Semester
Math. 200, Ag. Math.		3
Hort. 211-212, Landscape Gardening—Vegetable Garden	3	3
A. P. 232-233, Farm Dairying—Dairy Cattle.....	2	2
Ag. Eng. 162, Farm Power	2	
Biol. 251, Botany		4
A. P. 243, Hatchery and Chick Management.....		2
Ag. Eng. 261-262, Domestic Engineering—Farm Machinery	2	2
Chemistry 311, Organic	5	
Physical Education 201-202	1	1
Total.....	15	17

TECHNICAL AGRICULTURE**JUNIORS**

	First Semester	Second Semester
Ag. 304-306, Soils—Soil Management	3	3
Hort. 315-318, Plant Physiology—Plant Pathology..	3	3
A. P. 331, Feeds and Feeding	3	
Sci. 354, General Entomology (330B)		3
Ag. 303, Agricultural Bacteriology (350)	3	
Ag. Eco. 371, Farm Credits and Agricultural Adj..	2	
A. P. 332, Livestock Management	3	
A. P. 437, Swine Production		3
Electives	0	3
Total.....	17	15

SENIORS

	First Semester	Second Semester
Ag. 404, Genetics		3
Ag. Eco. 472-473, Marketing Farm Products, Farm Management	2	3
Ag. Eco. 474, Farm Records and Accounts.....		2
Electives	14	8
Total.....	16	16

AGRICULTURAL EDUCATION

JUNIORS

	First Semester	Second Semester
Soils—304, Materials and Agencies—402 Con- servation	3	4
A. P. 331, Feeds and Feeding	3	
Ag. 303, Bacteriology	3	
Ag. Ed. 352, Vocational Education; 353, Special Methods	2	2
Ag. Ed. 354, Evening and Part-Time School.....		2
Education 102, Ed. Psy.; 322, Adol. Psy.	3	3
Ag. Eco. 371, Farm Credits and Adjustment	2	
Electives	2	7
Total.....	18	18

SENIORS

	First Semester	Second Semester
Ag. Eco. 472, Farm Management—473, Marketing....	3	2
Biol. 354, Entomology		4
Ed. 201, General Methods	3	
Ag. Ed. 451, Course Organization		
M. L. 317, Journalism	2	
Ag. Ed. 454, Practice Teaching	2	4
A. P. 434, Dairy Cattle Production	2	
Ag. Ed. 453, Supervised Practice	2	
Ag. Eco. 474, Farm Records		2
Electives	4	6
Total.....	18	18

GENERAL AGRICULTURE AND ELEMENTARY EDUCATION

Temporary Certificate

JUNIORS

	First Semester	Second Semester
Soils 304, Materials and Soils 306, Management....	3	3
A. P. 331, Feeds and Feeding	3	
Biol. 157, Personal Hygiene		2
Ag. Eco. 371, Farm Credit and Ag. Adj.	2	
Edu. 102, Ed. Psy. 308, Child Psy.		3
Edu. 201, General Methods and School Law.....	3	
Biol. 354, Entomology		3
F. A. 1S1, Sight Singing	2	
Hist. 202, American History	3	
Pol. Sci. 240, American Gov't.		3
Electives	0	2
Total.....	16	16

SENIORS

	First Semester	Second Semester
Ag. Eco. 473, Farm Man. —472, Marketing.....	3	2
Ag. Eco. 474, Farm Records	2	
Biol. 257, Community Hygiene		2
Pol. Sci. 240, American Gov't.		3
405, Practice Teaching	2	4
Art. 101, Prin. of Art	2	
Edu. 122, Rural School Problems		2
Electives	7	3
Total.....	16	16

GENERAL AGRICULTURE

High School Certificate

JUNIORS

	First Semester	Second Semester
Ag. 304-402, Soils—Soil Conservation	3	4
A. P. 331, Feeds and Feeding	3	
Ag. 303, Agricultural Bacteriology (350)	3	
Ed. 102-222, Educational Psychology—Adol. Psy.....	3	3
Ag. Eco. 371, Farm Credit and Ag. Adjustment....	2	
Math. 230, Fundamentals of Statistics	3	
Ed. 311, Educational Measurements		3
Electives	0	7
Total.....	17	17

SENIORS

	First Semester	Second Semester
Ag. Eco. 472-473, Marketing Farm Products—		
Farm Management	2	3
Biol. 354, General Entomology (330B)		3
A. P. Dairy Cattle Management.....	2	
Ag. Eco. 474, Farm Records		2
Ed. 201-450, General Methods—Prin. Sec. Edu.	3	2
Ed. 492-493, Practice Teaching	2	4
Electives	8	
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Total.....	17	14

TWO YEAR COURSE IN AGRICULTURE

This course is designed for those engaged in farming, whose time and finance will not permit them to spend more time in residence. The course is planned to provide opportunities for a maximum amount of practice and instruction on a minimum time limit to meet the needs of those who do not care to pursue the full four year college course.

Persons electing this course will have a wider latitude of choice in course selection from all the differentiated curricula, based on the choice of the student and an analysis of his problems by his advisor.

A certificate of attendance will be awarded on the completion of the course and the specified job practices assigned to them.

Those who know proficiency and interest may be allowed to work out a part of their expenses through farm practice experience.

Credit for this course cannot be given for the four year college course except by a special vote of the faculty and must be C or above.

CURRICULA FOR TWO YEAR STUDENTS

Second Year

	First Semester	Second Semester
Agricultural Science	3	3
A. P. 141-142, Farm Poultry	3	2
Ag. Eng 161-162, Farm Shop—Farm Power.....	2	2
Math. 200, Agriculture Mathematics		3
A. P. 131-132, Breeds and Types—Farm Meats.....	3	2
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Total.....	11	12

First Year

	First Semester	Second Semester
Agricultural Science	3	3
Horticulture 211-212, Landscape Gardening, Vegetable Gardening	3	3
A. P. 232-233, Farm Dairying—Dairy Cattle.....	2	2
A. P. 243, Hatchery and Chick Management		3
Ag. Eng. 261-262, Domestic Eng.—Farm Machinery	2	2
Farm Practice		
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Total.....	10	13

DESCRIPTION OF COURSES**PLANT PRODUCTION****Crops and Horticulture**

Ag. 101—Field Crops (formerly Major Crops) Credit 2 hours

A general survey of the field of crop production, including types, varieties of field crops, their history, soil and climatic adaptations. Seeding, culture, harvesting; laboratory work on seed selection, judging, identification and computation of yield averages.

Ag. 108—Forage Crops Credit 3 hours

The identification, adaptation and use of forage and pasture plants, including Native grasses and legumes.

Ag. 201—Cereals and Root Crops Credit 3 hours

A study of production, distribution, classification, identification, culture, harvesting and storage of cereals and root crops; given in alternate years.

Ag. 105 Credit 2 hours

General Agriculture

For teachers and prospective teachers in the State of Oklahoma.

Ag. 202—Legumes Credit 2 hours

A study of the culture, use, identification, and production of legumes. Given in alternate years.

Ag. 401—Commercial Grading and Judging Crops Credit 3 hours

Practice in judging cotton, hay, potatoes and other crops according to Federal standards and the use of score cards.

Ag. 404—Genetics (formerly Ag. 454) Credit 3 hours

The basic principle of variation and heredity and the improvement of farm crops and animals by the application of genetic principles.

Ag. 400—Practical Experience Credit 2.5 hours

SOILS

Ag. 303—Agricultural Bacteriology (formerly Ag. 350) Credit 3 hours

A study of the organisms and the factors which influence their growth. Designed to meet the needs of Agriculture and Home Economic students.

Ag. 304—Soils Credit 3 hours

Materials and agencies involved in the formation of soils and the physical properties of soils.

Ag. 306—Soil Management Credit 3 hours

Means of modifying physical, chemical and biological properties of soils by drainage, tillage, fertilization and liming.

Ag. 402—Soil Conservation **Credit 4 hours**

The conservation of soils through contours, sod crops, erosion accelerating and erosion retarding practices. Half credit from soil conservation engineering (Ag. Eng. 416).

Ag. 405—Soil Analysis **Credit 3 hours**

A study of methods in soil investigation. Mechanical analysis, moisture equivalent, Colloids, base exchange, reaction.

HORTICULTURE**Hort. 212—Vegetable Gardening** **Credit 3 hours**

Home and commercial vegetable growing, including hot bed and cold frame work.

Hort. 211—Landscape Gardening **Credit 3 hours**

Designing, planning and planting home, church, and school grounds.

Hort. 312—Nursery Practice **Credit 3 hours**

Plant propagation, grafts, buds, layers and seedage as it applies to ornamental and horticultural plants.

Hort. 313—Garden Flowers **Credit 2 hours**

Storing, planting, cutting of annual, biennial and perennial garden flowers, also the establishment and care of lawns.

Hort. 314—General Floriculture **Credit 3 hours**

The growing and production of flowers under glass and outdoor gardens.

Hort. 311—Fruit Growing **Credit 3 hours**

Home and commercial orcharding as it applies to Oklahoma.

AGRICULTURAL ENGINEERING**Ag. Eng. 161—Farm Shop** **Credit 2 hours**

A general course in forging, repair and maintenance of the farmstead.

Ag. Eng. 162—Farm Power (formerly 164) **Credit 2 hours**

Tractors, gas, stationary engine maintenance and repair.

Ag. Eng. 260—Farmstead Engineering (Domestic Engineering) **Credit 2 hours**

Construction, design and location of farm buildings.

Ag. Eng. 262—Farm Machinery **Credit 2 hours**

Tillage, seeding and harvesting, maintenance and repair.

Ag. Eng. 261—Domestic Engineering **Credit 2 hours**

Water, sewage, lighting, heating and refrigeration equipment for the farm home.

Ag. Eng. 461—Soil Conservation Engineering **Credit 2 hours**

This is a laboratory course to soil conservation. Field exercises in terracing, drainage and farm planning.

**DEPARTMENT OF AGRICULTURAL EDUCATION AND
AGRICULTURAL ECONOMICS**

Ag. Ed. 352—Vocational Education **Credit 2 hours**

The aims of education and the problems and scope of Agricultural Education. Prerequisite, 26 hours of technical agriculture.

Ag. Ed. 353—Special Methods **Credit 2 hours**

Methods and principles of teaching vocational agriculture, including observation and participation. Prerequisites, 352 and 26 hours of technical agriculture. Recitation and laboratory, 4 hours.

Ag. Ed. 354—Evening and Part Time School Organization **Credit 2 hours**

Procedure for organizing and conducting evening and part-time classes. Open to Juniors and Seniors. Recitation and laboratory, 4 hours.

Ag. Ed. 451—Course Organization **Credit 2 hours**

Organization of the course of study for vocational agriculture from the farm survey and other data. Prerequisites, 352 and 35 hours of technical agriculture. Recitation and laboratory, 4 hours.

Ag. Ed. 453—Supervised Farm Practice 2 **Credit 2 hours**

Important types of problems and scope of supervised farm practices. Prerequisites, 351 and 352. Recitation, 1 hour; laboratory, 3 hours.

Ag. Ed. 454—Practice Teaching **Credit 4 hours**

Teaching and teaching procedures for All-Day, Day Unit, Part-Time and Evening Classes in Vocational Agriculture. Student must do work in a department of Vocational Agriculture, away from the college. Recitation and laboratory, 7 hours. Prerequisites, 353, 451, and 453.

AGRICULTURAL ECONOMICS

Ag. Eco. 371—Farm Credit and Agricultural Adjustment **Credit 2 hours**

Study of the farm credit structure, organization and operation of the Federal Credit System. The problems and functions of Agricultural Adjustment. For Juniors and Seniors.

Ag. Eco. 472—Marketing Farm Products **Credit 2 hours**

The structure of Agricultural marketing, shipping, selling and regulating agencies in the functions of marketing.

Ag. Eco. 473—Farm Management **Credit 3 hours**

Economic factors involved in successful farm organization, cost accounting and farm records. The application of principles and their operations on a few selected farms.

Prerequisite, Senior standing.

Ag. Eco. 474—Farm Records and Accounts **Credit 2 hours**

Cost accounts in the operation of a farm business. Prerequisite, Senior standing.

ANIMAL PRODUCTION

- A. P. 131—Breeds and Types** **Credit 3 hours**
Types and breeds of livestock. Breed selection for production and show.
- A. P. 132—Farm Meats (formerly Ag. 338)** **Credit 2 hours**
The slaughter and care of farm meats.
- A. P. 232—Farm Dairying** **Credit 2 hours**
The production and care of the dairy and dairy products.
- A. P. 233—Dairy Cattle** **Credit 3 hours**
Types, breeds and selection of dairy cattle.
- A. P. 331—Feeds and Feeding** **Credit 3 hours**
The digestion and metabolism process in the animal body.
Prerequisite, Sci. 322A.
- A. P. 337—Breeds and Types** **Credit 2 hours**
Breeds and types of horses, mules and beef cattle.
(formerly 132).
- A. P. 430—Beef Cattle Production** **Credit 2 hours**
The care and management of beef cattle herd. Prerequisite Ag. 331.
- A. P. 432—Sheep Production** **Credit 2 hours**
Methods of growing and management of sheep. Prerequisite, Ag. 331.
- A. P. 434—Dairy Cattle Management** **Credit 2 hours**
Management of the dairy herd. Prerequisites, Ag. 231, 233, 331.
- A. P. 437—Swine Production** **Credit 2 hours**
A survey of the swine industry in general and detailed study of the system of management and feeding used in purebred and commercial herds; practice in fitting and exhibiting.
- A. P. 439—Animal Breeding** **Credit 2 hours**
Lectures and recitation on heredity, variation and correlation as applied to livestock breeding.

POULTRY

- A. P. 141—Farm Poultry** **Credit 2 hours**
Required of all agricultural students. The general principles of caring for the farm poultry flock. An introductory course for all agricultural students.
- A. P. 142—Farm Poultry** **Credit 3 hours**
This will be a continuation of A. P. 141.

A. P. 243—Hatchery and Chick Management **Credit 2 hours**

Principles of incubation and brooding. Embryology of the chick; hatchery operation and management. Inspection tours of commercial hatcheries and assembly plants.

A. P. 341—Poultry Flock Management **Credit 2 hours**

Prerequisites, P. H. 203. The business of poultry farming, laying out and managing commercial farms. Visits to poultry farms in local areas.

A. P. 441—Poultry Problems **Credit 2 hours**

Prerequisites, all poultry courses offered. Current developments in the poultry field.

DIVISION OF ARTS AND SCIENCES
FACULTY

- *Leroy G. Moore, M.A.—Director, Head of the Department of Natural Science and Professor of Chemistry
- Allen, M. C., M.A.—Assistant Professor and Head of the Department of Commercial Education
- Batchlor, C. D., M.A.—Professor and Head of the Department of English
- Bellegarde, Auguste D., B.Litt., D.V.M.—Assistant Professor of Modern Foreign Languages
- Brown, E. J., B.A.—Instructor of Art and Head of the Department of Art.
- Cooke, Amanda F., B.S., Instructor of Social Science
- *Ellis, Wade, Ph.D.—Professor and Head of the Department of Mathematics
- *Ellison, Frances, M.A. Mus. Ed.—Associate Professor of Music
- Felder, O. P.—
- *Ford, Nick A., M.A.—Associate Professor of English
- Gayles, C. Felton, B.S.—Associate Professor of Physical Education
- Hamilton, G. C., M.S.—Assistant Professor of Biology
- Hargrove, S. L., M.S.—Instructor of History
- Hawkins, Kenneth A., M.S., Instructor of Chemistry
- Hendricks, G. H., M.S.—Part-time Instructor of Mathematics
- *Hill, Mozell C., M.A.—Professor of Sociology
- Jarrett, Hobart S., M.A.—Associate Professor of English
- Lewis, Alonzo, B. S.—Instructor of Music
- Mells, H. F., Ph.D.—Professor and Head of the Department of Music
- Moore, Theresia B., M.S., Instructor of English
- Moran, Elouise C., B. Mus., Instructor of Music and Physical Education
- Parker, A. C., B.S.—Instructor of Secretarial Science
- Perry, R. P., Ph.D.—Professor of Chemistry
- Qualls, Youra, M.A.—Associate Professor of English

* On leave.

Richards, Eugene S., Ph.D.—Professor of Sociology and Economics and Acting Head, Dept. of Social Science

Rouce, Helen A., M.A.—Professor and Acting-Head, Department of Mathematics

Strong, Evelyn R., B.A.—Instructor of Music

*Thaxton, H. Mack, Ph.D.—Professor of Physics

Work, Lena B., M.A.—Part-time Instructor of Mathematics

DIVISIONAL OBJECTIVES

The Division of Arts and Sciences offers work in the foundation courses of the curriculum, which is designed to give students insight into certain broad areas of learning:

- A. The physical and biological aspects of man's environment.
- B. The cultural heritage of man.

Thus, the Division of Arts and Sciences seeks, through these broad areas of learning, to serve four distinctive purposes:

1. To provide service courses for students in the other divisions of the college.
2. To provide subject matter training in preparation for teaching in the various subject matter fields.
3. To provide pre-professional training.
4. To develop the desirable, cultural characteristics of educated men and women.

ORGANIZATION

The Division of Arts and Sciences embraces courses in Art, Biology, Business Administration, Chemistry, Commercial Education, Economics, English, History, Mathematics, Music, Physical Education, Physics, Political Science, Sociology, and Modern Foreign Languages.

The first two years consist essentially of a program of general education which affords the student an opportunity to acquire a background in the general fields of the natural and social sciences, language and literature and to perfect the tools required in more advanced studies. During the last two years of college work, a considerable degree of concentration in a major field is required.

All freshman and sophomore students of the Division of Arts and Sciences, unless specifically excused by the Director, are required to follow the prescribed courses as set forth in the catalogue.

* On leave.

Basic Divisional Requirements for Graduation

English	12 hours
Foreign Language	6 hours
Mathematics	6 hours
Natural Science	8 hours
Social Science	6 hours
Psychology	3 hours
Physical Education	4 hours
American History	3 hours
American Government	3 hours

Major and Minor Requirements

After the completion of the sophomore year, every student in the Division who has not already done so must select, with the advice and consent of the Department Head concerned, a department as a major field of concentration and specialization. In addition to selecting a major field or a major, every student must also select another department or other departments for minor fields of concentration and specialization.

General Curriculum of the Division of Arts and Sciences**FRESHMAN YEAR**

First Semester	Hrs.	Second Semester	Hrs.
Engl. 101—Grammar & Comp.....	3	Engl. 102—Grammar & Comp.....	3
Math. 101—College Algebra	3	Math. 106—Trigonometry	3
Sci.—Natural Science	4	Sci.—Natural Science	4
Soc.—Social Science	3	Soc.—Social Science	3
M. L.—Foreign Language	3	M. L.—Foreign Language	3
P. E.—Physical Education	1	P. E.—Physical Education	1

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engl.—English	3	Engl.—English	3
Soc. 202—American History	3	Soc. 240—American Government....	3
M. L.—Foreign Language	3	M. L.—Foreign Language	3
Electives	6	Electives	6
P. E. 201	1	P. E. 202	1

Pre-Medical and Pre-Dental Curriculum

In view of the demand for a large supply of doctors and dentists in connection with the war effort and the post-war period, the University is providing an intensive program in pre-professional courses. Courses covering the pre-medical and pre-dental requirement are arranged as follows:

FRESHMAN YEAR

First Semester		Second Semester	
	Hrs.		Hrs.
Eng. 101	3	Eng. 102	3
Math. 101	3	Math. 106	3
Chem. 111	4	Chem. 112	4
Biol. 151	4	Biol. 152	4
Soc. Sci.	3	Soc. Sci.	3
Phys. Ed.	1	Phys. Ed.	1

SOPHOMORE YEAR

First Semester		Second Semester	
	Hrs.		Hrs.
Eng.	3	Eng.	3
Physics 221	4	Physics 222	4
Chem. 212	5	Chem. 311	5
Foreign Language	3	Foreign Language	3
Phys. Ed.	1	Phys. Ed.	1

The work of the Junior and Senior years is elected with the aid of the advisor.

Required hours for graduation 124, of which 4 must be in Physical Education. One major of 30 hours and 2 minors of not less than 18 hours each, or 2 majors, are required.

For the B. S. Degree, a student must have completed 60 hours in Chemistry, Biology, Physics or Mathematics.

The B. S. in Business Administration will follow the course as outlined above during the Freshman and Sophomore years.

Art

The Department of Fine Arts (drawing and paintings) offers courses in the several branches of Fine art, for the purpose of giving students a broad knowledge of appreciation and technical training in the Fine arts.

Objectives of the Department:

I Drawing

- A. To familiarize with good construction.
- B. To increase skill and power of observation.
- C. To develop this type of memory.
- D. To acquire ability to criticize constructively.

II Lettering

- A. To see design in letter forms.
- B. To learn to execute easily correct letter forms and arrangements.

- C. To learn to create variations upon these forms that will fit in with designs for posters so that ideas may be adequately and forcefully expressed.

III Color and Design

- A. To use color harmoniously, developing an appreciation for color.
- B. To know colors, how to mix them and how to apply them.
- C. To see color, both as an aesthetic and as a physiological factor.
- D. To develop selective judgment in the choice of design, color, and construction.

IV Painting

- A. To develop proficiency and technique.
- B. To stimulate power in the fields of creative effort.
- C. A means of developing professional artists.

V History of Art

- A. The purpose of the History of Art course is to reveal to the public the beauty of nature and of the arts, so that he may recognize and enjoy the world of beautiful things about him and gain an appreciation of the finest, which will reflect beauty in his life and in his living.
- B. It aims to engender love of beauty.
 - 1. To develop good taste.
 - 2. To enrich life and train for leisure.
 - 3. To gratify the desire to create, and to encourage talent.

VI Teacher Training

- A. To prepare art teachers for elementary, junior, and Senior high school, and supervisors for the purpose of developing the field in creative efforts.

The Art Department gives professional training to supply the demand of teachers trained in arts and crafts, and their lines of work which parallel these courses, also to prepare students who plan to become professional artists or who plan to attend regular art schools for further preparation.

An Art Major must complete 30 hours of Art. Major required: 101, 107, 205, 209, 301, 305, 309, 405, 313.

Electives 12 hours, making 30 hours.

Minor-Required: 101, 102, 107, 201, 202, 205, 209, 301.

DESCRIPTION OF COURSES

- Art 101A—Art Appreciation** **Credit 2 hrs.**
A study of the historic periods and art as applied to everyday life.
- Art 101—Principles of Art** **Credit 2 hrs.**
A study of line forms and color through which principles of art structure will be studied.
- Art 102—Principles of Art (Continuation of 101)** **Credit 2 hrs.**
Prerequisite, 101.
- Art 102A—Elementary (Education)** **Credit 2 hrs.**
Projects in various media, paper cutting, block printing, finger painting, spatter, blackboard, and chalk and crayon uses.
Prerequisite, 101.
- Art 107—Perspective** **Credit 2 hrs.**
Principles of perspective with the application of freehand drawing of interior and exteriors. Prerequisite 101.
- Art 201—Still Life** **Credit 2 hrs.**
Drawing and painting from still life gives the student an opportunity to become familiar with various mediums, as charcoal pencil, water color and oil as well.
- Art 205—Design** **Credit 2 hrs.**
A study of the principles of design and color theory and creative development. Prerequisite 101, 107.
- Art 207—Design** **Credit 2 hrs.**
Continuation of 205.
- Art 209—Poster** **Credit 2 hrs.**
A study of decorative space filling and lettering. Prerequisite, 101, 102.
- Art 211—Poster** **Credit 2 hrs.**
Continuation of 209. Prerequisite 101, 102.
- Art 213—Anatomy** **Credit 2 hrs.**
A study of the human figure with emphasis in the bone muscle action. Open Art, Physical Training Majors.
- Art 301—Water Color.** **Credit 2 hrs.**
Studies in still life, flowers, and decorative landscape.
- Art 303—Water Color** **Credit 2 hrs.**
A continuation of 301. Prerequisite, 301.

- Art 305—Composition (Pictorial)** **Credit 2 hrs.**
Theory of picture making (black and white). Prerequisites, 101, 102, 201, 213.
- Art 309—Pottery** **Credit 2 hrs.**
Handbuilt tile, vase, book-ends, etc. Prerequisite, 101, 205.
- Art 310—Modeling and Sculpture** **Credit 2 hrs.**
Prerequisite, 309.
- Art 311—Applied Art.** **Credit 2 hrs.**
The application of design to metal, wood, and other decorative materials.
- Art 313—Landscape.** **Credit 2 hrs.**
Studies in oil, water color, and pastel. Prerequisite, 201, 301, 305.
- Art 405—History of Art.** **Credit 2 hrs.**
The cultural background of Western Europe to the Renaissance.
Open to college students.
- Art 407—History of Art.** **Credit 2 hrs.**
The history of Art from the Renaissance to the period of American painting.
- Art 409—History of American Art.** **Credit 2 hrs.**
A course of lectures on the history of Art with a background for American natural development.

DEPARTMENT OF BUSINESS ADMINISTRATION AND COMMERCE

The aim of the Department of Commerce and Business Administration is to train teachers of Secretarial Science, to give basic training to bookkeepers and accountants and to prepare secretaries and accountants for government services. The Department of Business Administration also seeks to provide training in the fundamental principles and the purely scientific aspects of the problems treated.

A major in Business Administration requires thirty hours. The following courses are required: Soc. 221, 222; B. A. 351, 352, 311, 411, 454, 451, 452.

A minor in Business Administration requires eighteen hours. The following courses are required: Soc. 221, 222, and 326; B. A. 311, 351, 352, and 411.

A minor in Accounting requires twenty-two hours. The following courses are required: Soc. 221, 222; B. A. 351, 352, 451, 452, and 454.

A major in Commerce requires thirty-two hours. The following courses are required: B. A. 201, 211, 351, 352, 301, 311, 411, 454, 451, 452.

A minor in Commerce requires eighteen hours. The following courses are required: B. A. 201, 211, 351, 352, and 411; Soc. 221, and 222.

No major or minor credit for any Business Administration numbered below 100.

DESCRIPTION OF COURSES

B.A. 1—Introduction to Business **Credit 3 hours**

The purpose of this course is to study the functions of business in terms of its social, economic and governmental relationships.

B.A. 2—Business Arithmetic **Credit 3 hours**

Drills in rapid calculation in fundamentals. Solution of practical and non-technical problems of ordinary business and everyday living transactions.

B.A. 23—Business Legal Practice **Credit 3 hours**

The theory and practical problems involved in business contracts.

B.A. 24—Business Legal Practice **Credit 3 hours**

A study of negotiable instruments, sales and conditional sales problems.

B.A. 31—Bookkeeping **Credit 3 hours**

An introduction to the principles and practices of bookkeeping, including debit and credit procedure, the use of controlling accounts, special journals, and the preparation of profit and loss, and balance sheet statements.

B.A. 32—Bookkeeping. Continuation of B.A. 31. **Credit 3 hours**

B.A. 33—Business English **Credit 3 hours**

Intensive drill on punctuation and sentence structure used in business letters. Composition of the various kinds of business letters.

B. A. 101—Elementary Typewriting **Credit 2 hours**

This course covers a working knowledge of the use of all parts of the typewriter and the mastery of the keyboard by the touch method. Added emphasis is given to drill for speed accuracy in transcription of easy material from printed matter and shorthand notes.

B. A. 102—Elementary Typewriting **Credit 2 hours**

Continuation of 101.

B. A. 111—Elementary Shorthand **Credit 2 hours**

This course includes a study of word building and general principles outlined by the Gregg Shorthand manual, supplemented by Gregg Speed Studies. Emphasis is placed on the mastery of principles and the correct formation of characters and outlines.

B. A. 112—Elementary Shorthand **Credit 2 hours**

Continuation of 111.

B. A. 201—Advanced Typewriting **Credit 2 hours**

This is a course to develop personal skills. Work includes legal forms, letter writing, manuscript writing, stencil cutting and tabulation. (Prerequisite, B. A. 102.)

B. A. 211—Advanced Shorthand **Credit 2 hours**

This course includes a study of word building and general principles outlined in the phrasing, daily dictation, and reading and transcription of notes. Emphasis is placed on accuracy and readiness in transcribing. (Required of those who are planning to do secretarial work.) (Prerequisite, B. A. 112.)

B. A. 22 (212)—Transcription **Credit 3 hours**

A study of the transcription of letters, reports, and business forms, development of proficiency in reading shorthand, writing shorthand, and transcribing shorthand notes. Prerequisite B. A. 21 (201).

B. A. 213—Income Tax and Consolidations **Credit 2 hours**

Accounts and statements of amalgamations, mergers, and holding companies. Problems based upon federal and Oklahoma income tax laws. Should be taken in the senior year by accounting or business administration majors.

B. A. 301—Filing **Credit 2 hours**

Various methods of classifying and filing business correspondence and papers are taught. Each student is required to do laboratory work in indexing and filing. Discontinued after 1944-45.

B. A. 30 (301)—Office Training & Filing **Credit 3 hours**

Various methods of classifying and filing business correspondence. Laboratory in indexing and filing. Office procedure, ethics and etiquette. Laboratory practice in business forms. Beginning 1945-46.

B. A. 302—Office Training **Credit 2 hours**

Office procedure, ethics and etiquette are studied in detail. Laboratory practice in use of various business forms is required. Discontinued after 1944-45.

B. A. 311—Business Organization and Finance **Credit 3 hours**

A study of the various types of business organizations and a general survey of the methods used in financing business, with special stress on corporations, their significance in modern economic life and corporation finance. (Prerequisite, Eco. 222).

B. A. 312—Investments **Credit 2 hours**

An analysis of types of stock and bonds and of the issues of selected corporations. Prerequisite, 311.

B. A. 351—Elementary Accounting **Credit 3 hours**

A course designed to prepare the student with the necessary background to understand and interpret trial balances, financial statements, bookkeeping methods, etc. (Required of all students majoring in Business Administration.) An extra hour will be given each week for laboratory practice.

B. A. 352—Elementary Accounting **Credit 3 hours**

Continuation of 351.

B. A. 411—Business Law **Credit 3 hours**

A study of the principles of contract, agency, negotiable instruments, and other important phases of law met in every day business activities.

B. A. 412—Business Law **Credit 3 hours**

Continuation of 411.

B. A. 413—The Management of Business and Industrial Personnel **Credit 2 hours**

An analysis of the problems of the modern business and industrial organization with regard to the management of labor relations. The psychological aspects of labor relations, techniques of selection and placement of workers, maintenance of personnel, and joint relations and collective bargaining are discussed. Prerequisite B. A. 311, or consent of Instructor.

B. A. 421—Auditing **Credit 3 hours**

General principles of auditing, including a detailed study of different kinds of audits. Should be taken in senior year.

B. A. 451—Advanced Accounting **Credit 3 hours**

This course is a study of advanced accounting theory. Students given opportunity to investigate accounting for installment sales and consignments. Study of basic principles and processes of compound interest in relation to sinking funds, annuities and bonds.

B. A. 452—Advanced Accounting **Credit 3 hours**

Continuation of B. A. 451.

B. A. 454—Cost Accounting **Credit 3 hours**

Accounting for costs in manufacturing enterprises. Should be taken in the senior year.

B. A. 453—Organization and Management of Small Retail Business

Credit 3 hours

A study of the organization and management and record-keeping as applied to a small retail concern.

B. A. 494—Apprentice Teaching **Credit 2 hours**

Theory of teaching typewriting, shorthand and other commercial subjects in high school.

TWO-YEAR CURRICULUM**First Year**

First Semester	Hrs.	Second Semester	Hrs.
Soc. 171 Intro. to Soc. Sci.....	3	Soc. 172 Intro. to Soc. Sci.	3
Engl. 101 English Composition ...	3	Engl. 102 English Composition ...	3
B. A. 10 Elem. Typing	2	B. A. 11 Elem Typing	2
B. A. 12 Elem. Shorthand	2	B. A. 13 Elem. Shorthand.....	2
B. A. 31 Bookkeeping	3	B. A. 32 Bookkeeping	3
B. A. 1 Intro. to Business.....	3	B. A. 2 Business Arithmetic.....	3

Second Year

B. A. 20 Adv. Typing	2	B. A. 22 Transcription	3
B. A. 21 Adv. Shorthand	2	B. A. 30 Office Training	3
B. A. 35 Accounting	3	B. A. 36 Accounting	3
B. A. 23 Business Legal Practice..	3	B. A. 24 Business Legal Practice..	3
B. A. 33 Business English	3	Engl. 204 Adv. Composition	3
Math. 101	3	Art 101 Prin. of Art	2

DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

Objectives and Requirements

The major objectives of the department are to acquaint the student with the fundamental principles of grammar and composition; to give adequate training in the art of effective expression; to develop within the student a taste for and an understanding of the best there is in literature; to prepare the student to pursue advanced study in the field; and to offer courses required by other departments of the college.

For the purpose of classification, a placement test is given all freshmen at the beginning of the fall semester. Students who indicate by this test their inability to pursue the regular freshman English course are placed in special sections for which no college credit is given.

The major in English consists of twenty-four semester hours, not including the freshman and sophomore basic requirements of twelve semester hours.

Required courses for the English major are as follows: 301, 302, 403, or 427 and 423. Electives in the three or four hundred group to complete the required number of hours.

Students who wish to minor in English must complete eighteen semester hours including 101, 102, 223, 224; and six hours of electives in the three or four hundred group.

A final comprehensive examination in both English and American literature is required of all English majors.

Students who desire to meet certificate requirements should make this known to advisor at the time of registration.

DESCRIPTION OF COURSES

English 0—Grammar and Composition **Credit 0**

A review course emphasizing spelling, word usage, and the elements of the sentence.

English 101—English Composition **Credit 3 hours**

Grammar reviews, recitations, themes, general expression, assigned readings. A study of the four forms of discourse with emphasis on expository writing.

English 102—English Composition **Credit 3 hours**

A continuation of 101. Prerequisite, 101.

English 201—English Grammar **Credit 3 hours**

A study of Advanced Grammar. Verb usage and sentence analysis are emphasized. Prerequisite, 101, 102.

English 203—Literary Types **Credit 3 hours**

A study of representative examples of essays, novels, short stories, dramas, and poetry (Classic and contemporary). Required of all elementary majors. Prerequisite, 101, 102.

English 204—English Composition **Credit 3 hours**

Instruction and practice in composition. Prerequisite, 101, 102.

English 212—Effective Speech Making **Credit 3 hours**

A study of the principles of effective delivery; voice, enunciation, pronunciation, force, posture, movement, gesture as well as rhetorical structure. Prerequisite 101, 102.

English 223—English Literature **Credit 3 hours**

An outline study of English Literature from Beowulf to Dryden. Prerequisite 101, 102.

English 224—English Literature **Credit 3 hours**

A continuation of 223. From Dryden to the end of the 19th Century. Prerequisite, 223.

English 301—American Literature **Credit 3 hours**

A study of the chief American writers from Colonial times to 1860. Prerequisite, 223, 224.

English 302—American Literature **Credit 3 hours**

A continuation of 301. From 1860 to 1900. Prerequisite, 223, 224.

English 303—Speech and Interpretation **Credit 3 hours**

Basic training in phonetics and pronunciation; the discrimination and production of correct speech sounds.

b. Analysis and oral reading of different types of literature to develop skill in interpretation; choral speaking technique. Prerequisite, six hours of English, Junior standing.

English 304—Acting and Play Production **Credit 3 hours**

Training in the art and principles of acting, rehearsal and directing technique. Laboratory problems, play presentation, costuming, makeup. Prerequisite, Junior standing or special permission.

English 312—Argumentation and Debate **Credit 3 hours**

Designed to give an adequate mastery of the public address, the art of persuasion and the principles of debating. Prerequisite, 101, 102, and Junior standing.

English 317—Journalism **Credit 2 hours**

Fundamentals of publicity for workers in the field of agriculture and home economics. Some attention given to the high school and newspaper. Prerequisite, 101, 102, and Junior standing.

English 403—Introduction to the English Drama **Credit 3 hours**

A study of the origin and development of the English drama to the 19th Century. Shakespeare omitted. Prerequisite, 223, 224.

English 423—Romantic Movement **Credit 3 hours**

The rise and growth of romanticism from 1798 to 1824. Wordsworth, Coleridge, Scott, Byron, Shelly, and Keats will be studied in relation to the movement. Prerequisite, 223, 224.

English 425—Victorian Poetry **Credit 3 hours**

A study of the chief Victorian poets. Prerequisite, 223, 224.

English 426—The Negro in American Literature **Credit 3 hours**

A study of Negro Authors and their contribution to American literature. Prerequisite, Junior standing.

M. L. 427—Shakespeare **Credit 3 hours**

The study of Shakespeare as poet and dramatist. Representative plays of each period are read. Prerequisite, 223, 224. (Not offered 1945-1946)

M. L. 428—The English Novel **Credit 3 hours**

The origin and development of the English Novel. Representative novels from Richardson to Conrad are read. Lectures, discussions, and reports. Prerequisite, 223, 224. (Not offered 1944-1945).

FRENCH**M. L. 151—Beginner's French** **Credit 3 hours**

Fundamentals of pronunciation sounds and sentence structure. Drills on French sounds as compared to English sounds.

M. L. 152—Elementary French **Credit 3 hours**

Pronunciation and sounds. Reading in elementary text, "Le Petit Journal." Elementary grammar. Prerequisite, 151.

M. L. 251—Intermediate French **Credit 3 hours**

Grammar, Syntax, Dictations, Compositions, Readings. Prerequisite, 152.

M. L. 252—Intermediate French **Credit 3 hours**

Grammar Review, Reading of some French Masterpieces. Magazines. Prerequisite, 251.

M. L. 351—Advanced French **Credit 3 hours**

Advanced Grammar. Advanced Compcositions, Conversational French. Prerequisite, 252.

M. L. 352—French Literature **Credit 3 hours**

Rapid survey of French Literature from beginning to 19th Century. Analysis of some masterpieces.

SPANISH

M. L. 131—Elementary Spanish **Credit 3 hours**

Designed to give the foundation for both reading and speaking Spanish. Pronunciation practice, vocabulary drill, and grammar fundamentals.

M. L. 132—Elementary Spanish (Continuation of 131) **Credit 3 hours**

Elementary reading and translation. Beginning composition.

M. L. 231—Elementary Spanish Composition **Credit 3 hours**

For students who wish additional work in written Spanish and beginning work in oral Spanish. Review grammar and pronunciation. Exercises in grammar composition and pronunciation. Reading and translation of simplified Spanish classics.

M. L. 232—Elementary Spanish Composition **Credit 3 hours**

Continuation of 231. Objectives and method same. Added readers and weekly reading and discussion of current topics from a Spanish newspaper.

DEPARTMENT OF MATHEMATICS

The courses in Mathematics are intended for those studying mathematics as part of a liberal education, for those expecting to apply mathematics in other Sciences or in Technology, for prospective teachers of mathematics or other Sciences in Secondary Schools and to prepare students to continue graduate work in other institutions.

Students majoring in mathematics are required to take 30 hours. The following courses are required: (or the equivalent) 101, 106, 204, 305, 306, 310 and 413. Electives to make out the required number of hours must meet the approval of director.

Students who wish to minor in mathematics must take the following: 101, 106, 204, 305, and 306.

Note: If 104 is not offered as an entrance unit, it must be taken for certification. This course does not count on the major sequence or minor sequence.

Students who desire to satisfy the requirements for the ninety (90) hour certificate should take the following: 100, 101, 106, 204, and 305.

Courses designed for special requirements of other departments do not count either on the major or minor sequence.

DESCRIPTION OF COURSES

Math. 100—Intermediate Algebra **Credit 3 hours**

Designed to give mathematics majors and technical students a thorough review of: The fundamental operations, special products, factoring, fractions, simultaneous linear equations, binomial theorem, exponents and radicals. (Students who are liable to pass an examination may omit this course.)

Math. 101—College Algebra **Credit 3 hours**

The quadratic equation, progressions, inductions, binomial theorem, combinations, probability, logarithms, and integral rational functions.

Math. 102—Arithmetic for Elementary Teachers **Credit 2 hours**

Designed to give an appreciation of the history of numbers and number processes as well as a thorough mastery of the facts themselves.

Math. 104—Solid Geometry **Credit 2 hours**

Elements of solid geometry, properties and measurements of surfaces and solids.

Math. 106—Plane Trigonometry **Credit 3 hours**

The trigonometric functions, identities, equations and the solution of triangles.

Math. 200—Agricultural Mathematics **Credit 2 hours**

Principal of weights and measures. Computations and transformations of units, distances, volumes, and weights. Market and percentage calculations on farm commodities. (Formerly 4 hours.)

Math. 204—Plane Analytic Geometry **Credit 4 hours**

Rectangular and polar co-ordinates. The line and conic sections, transformations of coordinates, and the general equation of the second degree. Prerequisite, Math. 101, and 106.

Eng. 217—See Engineering 217 **Credit 3 hours****Math. 221—Business Mathematics** **Credit 3 hours.**

Interest, periodical payments, graphs, and statistics.

Math. 230—The Fundamentals of Statistics **Credit 3 hours**

A first course for students in other fields who need statistics in their work.

Math. 305—Differential Calculus **Credit 4 hours**

The derivative of the algebraic and the transcendental functions with applications to geometry and physics. Prerequisites, 101, 106, 204.

Math. 306—Integral Calculus **Credit 4 hours**

The anti-derivative, definite integral with applications to geometry, mechanics and physics. Prerequisite, 305.

Math. 310—Algebra (Advanced) **Credit 3 hours**

Theory of equations and determinants. Selected topics in algebra. Prerequisite, 305.

Math. 315—Solid Analytical Geometry **Credit 3 hours**

A study of the first and second degree equations in space of three dimensions. Prerequisite, 305.

Math. 401—Mathematical Statistics **Credit 3 hours**

The development of the elementary functions and their relationship period. The biennial description of frequency, the probability, integral, frequency curves, and correlation. Prerequisite 306.

Math. 403—College Geometry **Credit 3 hours**

The study of geometric loci, indirect elements, similar and homothetic figures. The circumstances, medians, bisectors, and altitudes of triangles, etc. Open to Juniors and Seniors.

Math. 413—Differential Equations. **Credit 3 hours**

A study of the more common types of ordinary differential equations, especially those of the first and second orders with applications to geometry, mechanics and physics. Prerequisite 306.

DEPARTMENT OF MUSIC

The purpose of the curriculum of the Department of Music is to give training in the art and science of music and provide wholesome musical experiences for students with the aim of promulgating those habits of culture beneficial to our society.

A four year curriculum is offered leading to the degree of Bachelor of Arts with a major in music. The student may choose one of the following subjects in music as his major: Piano, Voice, or Public School Music (vocal or instrumental).

Students who are not interested in State Certification may pursue a major in piano, voice, or music theory. For full details see the office of the director.

Recitals and Concerts

A recital program of serious content and difficulty properly balanced with classic and modern selections is required of all music majors. The recital program of a piano major must consist of a concerto from a major composer in addition to other selected material approved by his instructor. The recital program of a voice major must consist of selections taken from an oratorio, and operas, in addition to other standard material selected by his instructor. The recital program of Public School Music must compare in every respect to the quality of those programs required of piano and voice majors. The recital is expected to be given with the major applied instrument. In any case the major instrument may be organ, piano, voice, violin, clarinet, trumpet or some other orchestral or band instrument.

All majors and minors as well as students enrolled in one or more courses in the Department of Music are expected to attend all concerts and recitals given at Langston University.

CURRICULA

Piano Major Course

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Music 1T1—Theory (Har.)	4	Music 1T2—Theory (Har.)	4
Music 1S1—Sightsinging	2	Music 1S2—Sightsinging	2
Music 1P1—Piano	0	Music 1P2—Piano	0
Music 1A1—Appreciation	3	Music 1A2—Appreciation	3
English 101—Gram. & Comp.	3	English 102—Gram. & Comp.	3
P. E. 101—Floorwork	1	P. E. 102—Floorwork	1
Soc. 171—Intro. to Soc. Science	3	Soc. 172—Intro. to Soc. Science	3

SOPHOMORE YEAR

Music 2T1—Adv. Harmony	2	Music 2T2—Counterpoint	4
Music 2P1—Piano	3	Music 2P2—Piano	3
Soc. 202—Amer. History	3	Soc. 240—Amer. Gov.	3
English 223—English Literature	3	English 224—English Literature	3
P. E. 201—Adv. Floorwork	1	P. E. 202—Adv. Floorwork	1
Ed. 201—General Methods	3	Ed. 102—Ed. Psy.	3
Ag. 105—General Ag.	2		

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Music 3P1—Piano	4	Music 3P2—Piano	4
Music 1H1—Music History	2	Music 1H2—Music History	2
Music 1E1—Music Education	3	Music 1E2—Music Education.....	3
M. L. 151—Foreign Language	3	M. L. 152—Foreign Language	3
Soc. 207 Okla. Hist.	2	Ed. 222—Adol. Psy.	3
Music Elective	3	Music Elective	2

SENIOR YEAR

Music 4P1—Piano	4	Music 4P2—Piano	4
Music 1C1—Conducting	2	Ed. Elective	3
Ed. 492—App. Teaching	2	Music—Senior Recital	2
M. L. 251—Foreign Language	3	M. L. 252—Foreign Lang.	3
Ed. 450—Principles of Sec. Ed.....	2	Ed. 493—App. Teaching	4
Ed. 314 or 424	3		

Voice Major Course

FRESHMAN YEAR

Music 1T1—Harmony	4	Music 1T2—Harmony	4
Music 1A1—Appreciation	3	Music 1A2—Appreciation	3
Music 1S1—Sightsinging	2	Music 1S2—Sightsinging	2
English 101—Gram. & Comp.	3	English 101—Gram. and Comp.	3
P. E. 101—Floorwork	1	P. E. 102—Floorwork	1
Soc. 171—Intro. to Soc. Science....	3	Soc. 172—Intro. to Soc. Science....	3

SOPHOMORE YEAR

Music 1P1—Piano	0	Music 1P2—Piano	0
Music 2T1—Adv. Harmony	2	Music 1V2—Voice	3
Music 1V1—Voice	3	English 224—English Literature ..	3
English 223—English Literature....	3	Soc. 240—American Gov.	3
Soc. 202—American History	3	P. E. 202—Adv. Floorwork	1
P. E. 201—Adv. Floorwork	1	Ed. 102—Ed. Psy.	3
Ed. 201—General Methods	3	Soc. 207—Oklahoma History	2

JUNIOR YEAR

Music 2V1—Voice	4	Music 2V2—Voice	4
Music 1H1—History	2	Music 1H2—History	2
Music 121	2	Music 122	2
M. L. 151—Foreign Language	3	M. L. 152—Foreign Lang.	3
Music 2P1—Piano	3	Ed. 222—Adol. Psy.	3
Ag. 105—General Ag.	2	Music 2P2—Piano	3

SENIOR YEAR

Music 4V1—Voice	4	Music 4V2—Voice	4
Music 1C1—Conducting	2	Ed. Elective	3
M. L. 251—Foreign Lang.	3	Music—Senior Recital	2
Ed. 450—Prin. of Sec. Ed.	2	M. L. 252—Foreign Lang.	3
Ed. 314 or 424	3	Ed. 493—App. Teaching	4
Ed. 492	2		

Public School Music—(Instrumental)

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Music 1T1—Harmony	4	Music 1T2—Harmony	4
Music 1S1—Sightsinging	2	Music 1S2—Sight-singing	2
Music 1A1—Appreciation	3	Music 1A2—Appreciation	3
Major Instr. 151	0	Major Instr. 152	0
Minor Instr. 151	0	1st Minor Instr. 152	0
English 101—Gram. & Comp.	3	English 102—Gram. & Comp.	3
P. E. 101—Floorwork	1	P. E. 102—Floorwork	1
Soc. 171—Intro. to Soc. Science...	3	Soc. 172—Intro. to Soc. Science...	3

SOPHOMORE YEAR

Music 1P1—Piano	0	Music 2T2	4
English 223—Eng. Literature	3	Music 1P2—Piano	0
Soc. 202—Amer. History	3	English 224—Eng. Literature	3
Ag. 105—General Ag.	2	Ed. 102—Ed. Psy.	3
Major Instr. 251	3	P. E. 202—Adv. Floorwork	1
1st Minor Instr. 251	3	Major Instr. 252	3
P. E. 201—Adv. Floorwork	1	1st Minor Instr. 252	3
Music 2T1	2		

JUNIOR YEAR

Music 2P1—Piano	3	Music 2P2—Piano	3
Music 1H1—Music History	2	Music 1H2—Music History	2
M. L. 151—Foreign Lang.	3	M. L. 152—Foreign Lang.	3
Ed. 201—Gen. Meth.	3	Ed. 222—Adol. Psy.	3
Major Instr. 351	3	Major Instr. 352	3
2nd Minor Instr. 151	0	2nd Minor Instr. 152	0
Soc. 207	2	Soc. 240—Amer Gov.	3

SENIOR YEAR

Ed. Elective	2	Music 302—Orchestration	2
Music 1C1—Conducting	2	M. L. 252—Foreign Lang.	3
Music 301	2	Ed. 493—App. Teaching	4
M. L. 252—Foreign Lang.	3	Ed. 314 or 424	3
Ed. 492—App. Teaching	2	Sr. Recital	2
2nd Min. Instr. 251	3	2nd Min. Instr. 252	3
Ed. 450—Prin. Sec. Ed.	2		

Public School Music—(Vocal)**FRESHMAN YEAR**

First Semester	Hrs.	Second Semester	Hrs.
Music 1T1—Harmony	4	Music 1T2—Harmony	4
Music 1S1—Sightsinging	2	Music 1S2—Sightsinging	2
Music 1A1—Appreciation	3	Music 1A2—Appreciation	3
English 101—Gram. & Comp.	3	English 102—Gram. & Comp.	3
Soc. 171—Intro. to Soc. Science...	3	Soc. 172—Intro. Soc. Sci.	3
P. E. 101—Floorwork	1	P. E. 102—Floorwork	1
		Music 1P1—Piano	0

SOPHOMORE YEAR

Music 2T1—Harmony	2	Music 1V2—Voice	3
Music 1V1—Voice	3	Music 2P1—Piano	3
Music 1P2—Piano	0	Soc. 240—Amer. Gov.	3
English 223—Eng. Literature	3	English 224—Eng. Literature	3
Soc. 202—Amer. Hist.	3	Ed. 102—Ed. Psy.	3
Ag. 105—Gen. Ag.	2	Soc. 207—Okla. Hist.	2
Ed. 201—General Meth.	3	P. E. 202—Adv. Floorwork	1
P. E. 201—Adv. Floorwork	1		

JUNIOR YEAR

Music 2V1—Voice	4	Music 2V2—Voice	4
Music 1H1—Music History	2	Music 1H2—Music History	2
Music 2P2—Piano	3	Music 3P1—Piano	4
Music 121	2	Music 122	2
M. L. 151—Foreign Lang.	3	M. L. 152—Foreign Lang.	3
Elective Education	2	Ed. 222—Adol. Psy.	3

SENIOR YEAR

Music 1C1—Conducting	2	Music 131	3
M. L. 251—Foreign Lang.	3	M. L. 252—Foreign Lang.	3
Ed. 492—App. Teaching	2	Ed. 493—App. Teaching	4
Ed. 450—Prin. Sec. Ed.	2	Ed. 314 or 424	3
Music 401	2	Sr. Recital	2
Music 301	2	Music 132	3

DESCRIPTION OF COURSES

Music Theory

Music 1S1—Sight-Singing**Credit 2 hours**

A study of the fundamentals of music including the recognition and use of the seven clefs, notation and the development of a rhythmic feeling. Students are expected to voice all intervals in the major scale and sight sing simple songs. Class meets four times a week, two class hours, and two rehearsals at night. The sight-singing class comprises the Service Choir for Campus Services.

Music 1S2—Sight-Singing**Credit 2 hours**

Continued study in the fundamentals of music including the spelling and writing of major and minor chords and the development of a feeling for more complex rhythm. Students are expected to voice all intervals and sing music of moderate difficulty at sight.

Music 1T1—Harmony**Credit 4 hours**

A study of chord combinations and simple part-writing as a foundation for advanced work in the several styles of original composition. The study includes intervals, scales, triads, dominant seventh chords, and embellishments.

Music 1T2—Harmony**Credit 4 hours**

Continuation of first semester harmony, through modulation, secondary and leading-tone chords of the 7th chords of the 9th, 11th, and 13th. (Prerequisite 1T1)

Music 2T1—Harmony (Advanced)**Credit 2 hours**

An intensive study of chromatically altered chords, the Neapolitan sixth, augmented chords and their inversions, types of embellishments, and melodic and ornamental devices extended to approach contrapuntal harmony. Accompaniment writing to assigned and original melodies. (Prerequisite 1T2)

Music 2T2—Counterpoint**Credit 4 hours**

A thorough study of the techniques involved in the mastery of writing the perfect melody, its harmonic associations, with other correctly written melodies, and their independence. Assignments written in the various species in two, three, four, and five parts. (Prerequisite 2T1)

Music 3T1—Advanced Counterpoint**Credit 4 hours**

Double counterpoint, imitations, sequences, canons. The inventions and fugues in two, three, and four parts. (Prerequisite 2T2)

Music 1F1—Music Form and Analysis**Credit 2 hours**

A study of the structure and aesthetic content of music from the singled note through the various homophonic forms to the compound.

Music 1F2—Music Form and Analysis**Credit 2 hours**

A continuation of Music 1F1.

Music Education

Music 1E1—Music Methods for the Elementary School Credit 3 hours

This course is designed to acquaint the student with materials and methods for elementary grades, the selection and presentation of rote songs, the child voice in singing, and treatment of the unmusical child; development of rhythmic and melodic expression; introduction of staff notation; direct listening, the tonal and rhythmic problems common to the first six years.

Music 1E2—Music Methods for Junior and Senior High Schools Credit 3 hours**Music 131—Choral Arranging Credit 3 hours**

A study of the principles underlying arrangements for choral groups of various types. The student is required to make several arrangements. (Prerequisites, 10 hours harmony, 4 hours counterpoint.)

Music 132—Choral Arranging Credit 3 hours

A continuation of 131.

Music 301—Orchestration Credit 2 hours

A course in the study of the history and development of instruments for orchestra and band. With special emphasis upon their peculiarities and limitations. The student will be required to score for these instruments in various combinations and groupings.

(Prerequisites, 10 hours of harmony, 4 hours counterpoint.)

Music 302—Orchestration Credit 2 hours

A continuation of 301 in addition to scoring works for full size bands and orchestras.

The Adolescent voice and its care; testing and classification of voices; selection of materials, school bands and orchestras; class instrumental teaching; public performances; the school assembly.

Music 1C1—Conducting Credit 2 hours

A study in conducting with special emphasis placed on the use of the baton, in directing choral and instrumental groups. Special attention is given to the practice of score reading and the interpretative demands upon the conductor.

(This course is offered to Music Majors only. Other students must consult the office of the Department of Music).

Music 1C2—Conducting Credit 2 hours

Continuation of first semester conducting with more intensive study of additional scores and practical experience in conducting. A thorough study of band, orchestral, and choral organizations. (Prerequisites 1C1)

Music 1M1—General Music Study **Credit 2 hours**

A course designed to be of interest to in-service teachers who desire a basic knowledge of Music for purposes incidental to their work.

Music 121—Vocal Music Methods **Credit 2 hours**

This course is designed to acquaint the student thoroughly with the latest of vocal methods advocated by various authorities.

(Prerequisites, 8 hours harmony, 10 hours, voice.)

Music 122—Vocal Music Methods **Credit 2 hours**

Continuation of 121.

Music 141—Instrumental School Music Methods **Credit 2 hours**

A course designed to acquaint the student thoroughly with the latest of instrumental methods advocated by various authorities.

(Prerequisites, 10 hours harmony, 4 hours counterpoint.)

Music 142—Instrumental School Music Methods **Credit 2 hours**

Continuation of 141.

Music 402—Piano Accompaniment **Credit 2 hours**

A course designed to train pianist in accompanying solos and group performances.

Musicology**Music 1A1—Music Appreciation** **Credit 3 hours**

A discussion and recognition of the simpler forms of music and lives of the composers, lectures supplemented by musical illustrations and phonograph recordings.

Music 1A2—Music Appreciation **Credit 3 hours**

A discussion and recognition of the larger forms of music and the lives of the composers, with intensive analysis and study of the symphonies, sonatas, overture, concertos, etc. (Prerequisite 1A1)

Music 1H1—Music History **Credit 2 hours**

A study of the history of music from its origin to the time of Bach. This includes all phases of musical development such as the scales, church music, secular music, opera and oratorio, and a study of the lives of men who influenced its development.

Music 1H2—Music History **Credit 2 hours**

A study of the history of music from Bach to modern times. This course deals with composers and artists of a later date and with the culmination of many of the first course. (Prerequisite 1H1)

Applied Music**Music 1P1—Piano** **Credit 0 hours**

Czerny-velocity studies, Heller-Thirty Selected Studies, Bach-Little Preludes and Fugues, Bach-Two part Inventions, Mozart-Easiest Sonatas and Mendelssohn-Songs without Words, Hanon's Virtuoso.

Music 1P2—Piano **Credit 0 hours**

Continuation of first semester Piano.
(Prerequisite 1P1)

Music 2P1—Piano **Credit 3 hours**

Czerny studies, Opus 740, Bach-Three Part Inventions, Hanon's Virtuoso complete, Mozart and Beethoven Sonatas equivalent in grade of difficulty to Opus 10, No. 1, and Opus 14, No. 1. Other selected classical romantic and modern pieces.

Music 2P2—Piano **Credit 3 hours**

Continuation of the first semester piano.
(Prerequisite 2P1).

Music 3P1—Piano **Credit 4 hours**

Clementi-Gradus ad Parnassum, Bach-Well Tempered Clavichord, Hanon's Virtuoso complete; Sonatas equivalent in difficulty to the works in the first Period of Beethoven's works. Selected Romantic and modern pieces of equivalent difficulty.

(Prerequisite, Music 2P2).

Music 3P2—Piano **Credit 4 hours**

Continuation of the first semester Piano. (Prerequisite 3P1).

Music 4P1—Piano **Credit 4 hours**

Hanon's Virtuoso complete; Chopin-Etudes; Beethoven's Sonatas of the last period or others of equivalent difficulty. Other classic, romantic and modern pieces of suitable grade of difficulty.

(Prerequisite 3P2).

Music 4P2—Piano **Credit 4 hours**

Continuation of first semester piano, intensively added material of the desired grade of difficulty.

(Prerequisite Music 4P1).

Recitals and Concerts

A recital program of serious content and difficulty, properly balanced with classic and modern selections is required of all applied music major, using their major instruments.

All majors and minors as well as students enrolled in one or more courses in the Department of Music are expected to attend all concerts and recitals given at Langston University.

Music 1V1—Voice **Credit 3 hours**

A study of Voice fundamentals. The correct physical and mental poise. Principles of breathing and breath control. Study of vowels and the essentials of tone production, and such vocal exercises as may be found necessary. Simple Folk and English songs.

(Prerequisite, Music 1S1).

Music 1V2—Voice **Credit 3 hours**
Continuation of first Semester Voice. (Prerequisite 1V1).

Music 2V1—Voice **Credit 4 hours**
Studies in diatonic and chromatic scales, a singing legato, staccato, triplets, simple trills, and other types of vocal embellishments. Songs requiring a more advanced technic, as the old classics of Handel, Mozart, Schubert, etc. Negro Folk and English songs.
(Prerequisite 1V2).

Music 2V2—Voice **Credit 4 hours**
Continuation of first semester voice.
(Prerequisite 2V1).

Music 3V1—Voice **Credit 4 hours**
Studies for maximum flexibility and velocity. Various chromatic examples from Operas and Oratorios. Fundamentals in style and expression appropriate to periods. Italian, French, and German classics as well as Negro Folk and English Songs.
(Prerequisite, Music 2V2).

Music 3V2—Voice **Credit 4 hours**
Continuation of first semester voice, with special emphasis on the recitative, lyric, and dramatic examples from additional operas and oratorios. (Prerequisite, Music 3V1).

Music 4V1—Voice **Credit 4 hours**
A more intensified study of the materials of the preceding year. (Prerequisite, Music 3V2).

Music 4V2—Voice **Credit 4 hours**
Continuation of first semester's voice.
(Prerequisite, Music 4V1)

Chorus will be numbered 101, 102, 201, 202, 301, 302, 401, 402.

Band Instruments will be numbered 151, 152, 251, 252, 351, 352, 451, 452.
The instrument will be designated by name. (Ex. Trumpet 151 etc.)

ORGANIZATIONS

University Ladies' Quartette
University Men's Quartet
University Band
Service Choir
A Capella Choir
University Orchestra

Upon certification of the head of the Department of Music, one hour credit is allowed for each semester of membership and creditable participation in departmental extra-curricular organizations.

DEPARTMENT OF NATURAL SCIENCES
DESCRIPTION OF COURSES

Biology

The curriculum is designed to meet the needs of students seeking to major in the department, including those who plan to enter graduate study, the field of medicine and the profession of teaching.

A major in Biology requires at least 30 semester hours. The following courses are required: 151-152, 255-256, 251 and 451.

A minor in Biology requires at least 18 semester hours. The following courses are required: 151-152, 255-256, 451, and course 251 as preferred if convenient.

Biol. 151—General Biology

Credit 4 hours

An introductory course embracing the fundamental principles and methods of Biology as a liberal education, as a premedical prerequisite, or as a foundation for more specialized study. This course includes a consideration of cell structure, the basic principles of morphology, anatomy, physiology, embryology, genetics, taxonomy, evolution and a general survey of the invertebrates. Lectures two hours per week, laboratory four hours per week.

Biol. 152—General Biology (Continued)

Credit 4 hours

This course gives a general survey of the Biology of plants and stresses mostly members of the chordata phylum as to their anatomy, habitat, characteristics and reproduction. The frog being the most important animal. Lectures two hours per week. Laboratory four hours per week.

Biol. 157—Personal Hygiene

Credit 2 hours

Environmental and heredity factors that influence personal health, infections and resistance, structure, functions, and elementary pathology of the organic systems of the human body.

Biol. 251—General Botany

Credit 4 hours

An introduction to the study of plants, structure, activities, modification and their economic importance. Emphasis is placed on the higher groups and some attention is given to classification of species. This course includes laboratory experiments and outside references. Lectures two times per week. Laboratory four hours per week.

Biol. 253—The Plant Kingdom

Credit 3 hours

The general study of the structure and function of plants. A survey of the entire plant kingdom. Representative plants from each phylum are studied as to their habitat, methods of reproduction structure of parts and economic importance. Lectures two hours per week. Laboratory two hours per week. Prerequisite, Sci. 251 or its equivalent.

Biol. 255—Comparative Vertebrate Anatomy **Credit 5 hours**

A study of the general features of chordate development and a comparative study of the anatomy of vertebrates representing the classes of the sub-phylum vertebrata. The laboratory work consists of the dissection of a representative type of animals chosen from outstanding classes. Lectures three times per week. Laboratory four hours per week. Prerequisite, Sci. 151-152.

Biol. 256—Continuation of 255. **Credit 5 hours****Biol. 257—Community Hygiene** **Credit 2 hours**

Health problems of the community. Epidemic disease and their control. Disease transmission and carriers. Community delinquency problems; tuberculosis, insanity, infantile and maternity morality, community health agencies.

Biol. 351—Vertebrate Embryology **Credit 3 hours**

This course brings out a comparative study of animal development, mainly of vertebrates, principles and processes, germ cell origin and structure, maturation, fertilization, cleavage, cell layers, tissues and organ formation, foetal membranes and their uses. Prerequisite, 255 and 256. Lectures two periods per week.

Laboratory two hours per week.

Biol. 352—Animal Ecology **Credit 3 hours**

A study of home life and environmental factors affecting the lives of animals in general and with special attention to factors affecting the local fauna. Laboratory consist of field trips and experimental study. Lectures, two hours per week; laboratory two hours per week. Prerequisite, Sci. 255-256.

Biol. 353—Human Anatomy **Credit 3 hours**

Required of majors in Physical Education. An analysis of the structure, function, and inter-dependence of the organs of the human body. Prerequisite, Sci. 151-152.

Biol. 354—General Entomology **Credit 4 hours**

An introductory course to the history and characteristics of the representative group of insects. The study of the economic importance of insects. Methods of control are emphasized. Students will be required to make a collection. Two lectures and laboratory four hours.

Biol. 355—General Parasitology **Credit 4 hours**

A study of the parasites which infect man and animals. A study of methods of control, prevention and treatment of disease caused by parasites. Post-mortem examinations will be performed upon various animals in the investigation of problems. Prerequisite, Sci. 151-152. Two lectures and laboratory four hours per week.

Biol. 356—General Bacteriology**Credit 3 hours**

This course embraces a study of bacteriology technique and the physiology and classification of bacteria, yeast, and molds. Special attention is given to some of the pathogenic microorganism and those which are significant in the process of nature. Prerequisite, Sci. 151, 152 or General Chemistry 101-102. Two lectures and laboratory hours per week.

Biol. 451—Physiology**Credit 4 hours**

General consideration of the principles and methods of body functions. The course includes a study of interrelationships of organs, muscles, nerves, physiology, digestion, circulation and respiration. Prerequisites, Sci. 151-152. Four lectures per week.

Biol. 452—Plant Pathology**Credit 4 hours**

The nature, cause and control of disease in orchard and field crops. Two lectures and laboratory four hours per week. Prerequisite 251.

Biol. 454—Genetics**Credit 4 hours**

Introduction to the laws of heredity based upon the work of Mendel and more recent investigation. Emphasis is placed upon its relation to plants, the breeding of animals and human inheritance. Prerequisite, Sci. 151-152 or 251. Four lectures per week.

Chemistry

A study of chemistry is essential to a better understanding of the processes of nature and the practices of agriculture, home economics and industry. Even the social sciences have made advancement by employing the basic principles involved in physical and chemical changes. Chemistry, therefore, is a prerequisite to many other science courses. The aim of chemistry, in the light of these facts, is to give a knowledge of the fundamental principles of the subject so as to enable the student to comprehend the importance of chemistry in the solution of the many problems in agriculture, household science and other related fields.

Students majoring in chemistry are required to complete 30 hours, including the following courses or their equivalent: 111, 112, 211, 212, 311, 312. Electives above 300 to make out the required number of hours.

Students minoring in chemistry must take the following: 111, 112, with electives above 200 to complete the required number of hours.

Chem. 101—Elementary General Chemistry**Credit 3 hours**

For students enrolled in Agriculture, Home Economics and Industrial Arts. Two lectures and three hours laboratory work per week.

Chem. 102—Continuation of 101**Credit 3 hours****Chem. 111—General Chemistry****Credit 4 hours**

Three lectures and four hours laboratory work per week.

Chem. 112—Continuation of 111**Credit 4 hours**

- Chem. 211—Semi-Micro Qualitative Analysis** **Credit 3 to 5 hours**
Two lectures and 8 hours of laboratory work per week.
- Chem. 212—Quantitative Analysis** **Credit 3 to 5 hours**
Two lectures and 8 hours laboratory work per week. Prerequisite, Chem. 211 or equivalent.
- Chem. 311—Organic Chemistry** **Credit 3 to 5 hours**
Three lectures and 4 hours laboratory work per week.
- Chem. 312—Continuation of 311** **Credit 3 to 5 hours**
- Chem. 311A—Organic Chemistry & Analytical Methods** **Credit 5 hours**
For agricultural students. Principles of organic chemistry and methods in gravimetric and volumetric analysis. Lecture and laboratory work.
- Chem. 322A—Physiological Chemistry** **Credit 3 hours**
Prerequisite 311A offered for agricultural and home economics students.
- Chem. 403—Food Chemistry** **Credit 3 to 5 hours**
Two lectures and 8 hours laboratory work per week. The course includes an analysis of milk, butter, flour and other food products.
- Chem. 413—Physical Chemistry** **Credit 4 hours**
Two lectures and four hours of laboratory work per week. Gases, liquids, molecular constitution, thermodynamics, solutions, theory of electrolytics, etc. Prerequisites: Chem. 212, Physics, Math. 106.
- Chem. 423—Physical Chemistry** **Credit 4 hours**
Continuation of Chem. 413. Two lectures and four hours of laboratory work per week. Colloids, thermochemistry, chemical equilibria, conductance, electromotive force, etc. Prerequisite: Chem. 413.

Physics

- Phys. 221—Mechanics, Heat and Sound** **Credit 3 hours**
Lectures and laboratory on the general principles involved. Prerequisite, Math. 106.
- Phys. 222—Electricity, Magnetism and Light** **Credit 3 hours**
Lectures and laboratory on the general principles involved. Prerequisite, Math. 106.
- Phys. 300—Elements of Radio Telephony** **Credit 3 hours**
Principles of receiving and transmitting sets. Regeneration, oscillation and principles of television.
- Phys. 301—General Laboratory** **Credit 3 hours**
Experimental physics designed to give the student an experimental technique. Prerequisite, Physics 221, 222.
- Phys. 320—Electrical Measurements** **Credit 3 hours**
Principles of direct current measurements. Prerequisite 222.

Phys. 321—Alternating Current Measurements **Credit 3 hours**

A vectoral and mathematical analysis of current and voltage phase relation in A. C. circuits. Prerequisite, Physics 222.

Phys. 322—Household Physics **Credit 3 hours**

For Home Economics students. Physics of the household.

Phys. 400—Electrical Theory **Credit 3 hours**

A mathematical treatment of magnetism, electrostatics, condensers and coils. Prerequisite, Physics 222 and Calculus.

Phys. 440—Modern Physics **Credit 3 hours**

Developments in recent physics. Photo-electricity, atomic structure, X-rays, cosmic rays and relativity. Prerequisite, Physics 321 and astronomy.

Phys. 450—Heat Theory and Thermodynamics **Credit 3 hours**

Lectures and laboratory on high temperature measurements. Introduction to thermodynamics and statistical mechanics. Prerequisite Physics 221 and Integral Calculus.

Phys. 452—Kinetic Theory of Gases **Credit 3 hours**

Introduction to Boltzmann's theory; H constant. General gas laws. Prerequisite, Physics 221 and Calculus.

Phys. 460—Light Theory **Credit 3 hours**

Elementary optics, dispersion of light, polarized light; introduction to spectrum analysis. Prerequisite, Physics 222 and Calculus.

Phys. 475—History of Physics **Credit 3 hours**

Development of Physics since Gallileo. Prerequisite, fourteen hours of college physics or consent of instructor.

Astronomy**Astr. 101—Introduction to Astronomy** **Credit 4 hours**

A non-technical study of familiar phenomena of the sky; facts about the sun, moon, planets and comets.

PHYSICAL EDUCATION
DESCRIPTION OF COURSES

P. E. 101—Freshman Floorwork	Credit 1 hour
P. E. 102—Advanced Freshman Floorwork Continuation of 101.	Credit 1 hour
P. E. Sophomore Floorwork	Credit 1 hour
P. E. 202—Advanced Sophomore Floorwork Continuation of 201.	Credit 1 hour

These courses are required of all students.

DEPARTMENT OF SOCIAL SCIENCES

The Social Science Department includes the subject fields of history, sociology, political science, and economics.

It is the desire of the Department to be a living service unit with changing needs and emphasis in the light of contemporary problems. To assist students in the acquisition of a "Problem Conscious attitude" toward contemporary social problems to the extent they are willing to give their services in aid of solution to problems that arise. To receive such a "Problem conscious attitude", it is felt desirable that students acquire information and facts in the respective study fields.

HISTORY

Requirements for the Major or the Minor in History

The major in History consists of 30 semester hours in history inclusive of credits earned in the two basic courses—History of Western Civilization, and United States History. Eighteen semester hours must be for history courses numbered 300 and above. Majors in History must present at least 3 semester hours credit in each of the following fields of study: Economics, Philosophy, Political Science, and Sociology.

The minor in History consists of at least 9 semester hours for history courses numbered 300 and above.

Majors and minors in History must present credits for the following courses in History: 101, 102, 202, 203, 207, 303, and 400.

Description of Courses

Hist. 101—History of Western Civilization **Credit 3 hours**

A survey of the movements and institutions that have contributed most to our present-day civilization. The course makes a general sweep of the period from prehistoric times to the present. Particular emphasis is placed on the political, social, economic, artistic, religious, and scientific development of man.

Hist. 102—History of Western Civilization. Credit 3 hours
A continuation of 101.

Hist. 202—United States History, 1492-1865 Credit 3 hours
A study of the explorations and discoveries leading to the colonization of the United States; growth of industry, commerce, transportation, population, agriculture, labor, and government from the simple agricultural society of the colonies to the beginning of a highly complex society. Special emphasis is given to the political, social, economic, and religious development of the United States before 1865. Prerequisite: Sophomore standing.

Hist. 203—United States History, 1865-Present. Credit 3 hours
A study of the development of the United States during this period with emphasis on the political, social, economic, and religious development. Prerequisite: Sophomore standing.

Hist. 207—Oklahoma History Credit 2 hours
A general course covering the history of Oklahoma from territorial days to the present. This course is planned to meet the requirement in Oklahoma history for state teachers' certificates.

Hist. 300—Ancient History Credit 3 hours
A general treatment of the history of early mankind and the early civilizations of Babylonia, Egypt, and Persia; a survey of the early life and institutions of Greece and Rome; a study of the rise of the Roman Empire and the steps leading to its disintegration. Primarily for history majors and minors.

Hist. 301—History of Medieval Europe. Credit 3 hours
A study of the disintegration of the Roman Empire, the barbarian invasions and establishment of new political communities; the growth of the church, feudalism, and the development of the national states near the end of the middle ages. Primarily for history majors and minors.

Hist. 302—Modern European History. Credit 3 hours
An introduction to modern European history in its political, social, and cultural aspects from 1500-present. Special attention will be given to the development of European nationalism, liberalism, and imperialism; to the background of the 1st World War and to contemporary history since that period.

Hist. 303—The History of the Negro in the United States. Credit 3 hours
A study of the status of the Negro through the various stages of the history of the United States. Special emphasis is given to the influence of the Negro on life in the United States. The contributions of the Negro are emphasized, as well as the institutional relationships that have developed as a result of his presence in the United States.

Hist. 304—History of England Credit 3 hours
A general survey of the origin and development of England from the earliest times to the present, with particular emphasis on the development of the political, cultural, and economic institutions of England.

Hist. 305—History of Latin America**Credit 3 hours**

A study of the political, economic, social, and religious history of the American nations of Latin origin. An effort is made to show the relations of these nations to the United States, and to world politics.

Hist. 400—The West**Credit 3 hours**

A study of the settlement of the United States west of the Mississippi River, and its effect upon political, religious, economic, and social conditions in the country as a whole.

Hist. 401—History of Ancient Greece**Credit 3 hours**

A study of social, political, economic, intellectual, and religious life of the Greeks with a view of indicating the valuable contributions on Ancient Greece to modern civilizations.

Hist. 402—History of Rome.**Credit 3 hours**

A study of the beginning, development, and expansion of the Roman people with emphasis on political government, and legal and imperialistic aspects of the Roman people.

Hist. 403—History of the Far East.**Credit 3 hours**

A survey of the development of the Far East during historic times. Special emphasis is given to the factors that caused its development to vary from that of the West, and the conditions which necessitated change in this developmental trend.

PHILOSOPHY**Phil. 300—Introduction to Philosophy.****Credit 3 hours**

An elementary study of the types and sources of knowledge; of some leading theories of the nature of reality; and of related problems, including determinism, freedom, purpose, meaning, and truth. The chief aim of the course is to aid the students in arriving at some understanding of the problems that have always confronted mankind.

Phil. 301—Logic**Credit 3 hours**

A practical course introducing the student to the laws of thinking. The forms and operations of valid reasoning, their grounds, and their applications in numerous fields are stressed. Attention is given to the syllogism, fallacies, evidence, and statistical methods.

Phil. 302—Ethics**Credit 3 hours**

A study of the history of moral theories, and an analysis of the problems of moral conduct. Particular emphasis is given to the nature and criteria of our ideas of good and evil, right and wrong, and scales of value.

Political Science

Major: 30 hours

Three hours of economics and three hours of sociology may be included in major. Also three hours of constitutional history may be included.

Required to take 10 hours. Selected from one of the following subjects: Economics, History, or Sociology.

Requirements for minor in Political Science: 18 hours.

Pol. Sci. 240—Introduction to American Government **Credit 3 hours**

This course is an introductory one dealing with the foundation of the American Government as outlined in the Federal Constitution. Historical development and organization of national, state, and local governments. Emphasis upon relation of citizen to the government and upon duties and obligations of citizens.

Pol. Sci. 241—Introduction to American Government (Cont'd) **Credit 3 hours**

Functions of national, state, and local governments; foreign relations and national defense; taxation and finance; law enforcement; police power; regulation of commerce, communications and business, promotion of social and economic welfare.

Pol. Sci. 242—State Government **Credit 3 hours**

A study of the place and powers of the state in the United States, their organization and administration with special emphasis upon the government of Oklahoma.

Pol. Sci. 243—American Constitutional Government **Credit 2 hours**

American Government as based upon the constitutions of the United States and Oklahoma, wherein the principles of republic government will be emphasized.

Pol. Sci. 244—American Political Ideas **Credit 2 hours**

Intensive study of political ideas of representative American thinkers, such as Roger Williams, William Penn, Alexander Hamilton, and Thomas Jefferson.

Pol. Sci. 245—(Cont'd) American Political Ideas **Credit 2 hours**

John Adams, James Madison, John C. Calhoun, Daniel Webster, Abraham Lincoln, Theodore Roosevelt, Woodrow Wilson, and Herbert Hoover.

Pol. Sci. 246—Political Parties **Credit 2 hours**

Attention is given to party organization, nominating methods, boss rule, campaign methods, and corrupt practices. Prerequisite: Sophomore standing.

Pol. Sci. 248—Oriental Politics and Civilization **Credit 2 hours**

A survey of the government of the Chinese Republic, the Japanese Empire, India, and other countries of the Pacific area.

Pol. Sci. 249—Imperialism and the Near East **Credit 2 hours**

Consideration is given to Imperialism, Nationalism, and Internationalism. Followed by a study of contemporary political problems of Egypt, Palestine, Syria, Turkey, Arabia, Persia, and the Balkans. Prerequisite: Sophomore standing.

Pol. Sci. 340—American Constitutional Law **Credit 3 hours**

A study of the process of judicial review in the Supreme Court of the United States. An introduction to the study of the law of the federal constitution as it has been developed in the decisions of the Supreme

Court. Opened to Juniors and Seniors who have completed Soc. 240 and 241.

Pol. Sci. 341—American Constitutional Law **Credit 3 hours**
A continued study of leading cases in constitutional law.

Pol. Sci. 342—International Organization **Credit 3 hours**
A study of foreign offices and agencies of international cooperation and administration, including international public union, the Hague Conferences, Pacific settlement of international disputes, arbitration, disarmament, the mandates system, the league of nations, the international labor office, and the permanent court of International Justice. Open to Juniors and Seniors who have completed course 240.

Pol. Sci. 343—International Relations **Credit 3 hours**
Rise of national state system, forces affecting foreign policies, nationalism, economic interest, desire for security; sources of conflict and suggested solutions; growth of international cooperation. Prerequisite: Junior standing.

Pol. Sci. 440—Municipal Government **Credit 3 hours**
General study of municipal government and municipal problems in the United States including some comparisons with European experience. Prerequisite: Juniors who have completed Soc. 240 and 241.

Pol. Sci. 441—Municipal Administration **Credit 3 hours**
Study of principles and methods of municipal administration in the United States. Prerequisite: Junior standing; those who have completed Soc. 240 and 241.

Pol. Sci. 442—International Law **Credit 3 hours**
A study of the fundamental principles of international law by case method. For Juniors and Seniors.

Pol. Sci. 446—Modern Governments **Credit 3 hours**
A comparative study of the Governments and politics of Great Britain, France, Germany, Italy, Russia, Japan, and Switzerland.

Pol. Sci. 447—Modern Governments **Credit 3 hours**
Continuation of Soc. 446.

Economics

Minor: 18 hours.

Eco. 221—Principles of Economics **Credit 3 hours**
This course is designed to furnish a general introduction to the field of economics and to constitute a basic course in the fundamentals of economic science.

Eco. 222—Principles of Economics **Credit 3 hours**
Continuation of Soc. 221.

Eco. 321—Labor Problems **Credit 3 hours**
A study of the policies and methods of trade unionism and the movement toward industrial democracy.

Eco. 323—History of Economic Thought **Credit 3 hours**

A study of economic practices and political parties and their supporting theories.

Eco. 324—History of Economic Thought **Credit 3 hours**

Continuation of Soc. 323.

Eco. 325—Economic History of the United States. **Credit 3 hours**

This course deals with the politico-industrial development of the United States with special attention given to the relation between law and the American economy.

Eco. 326—Money and Banking **Credit 3 hours****Sociology**

Students majoring in Sociology are ordinarily required to take courses 171, 271, 372, 374, 377, and 476.

The requirement for a major in this field is thirty semester hours. Three hours of political science and three hours of economics may be included in the major. Majors also are required to take ten semester hours from any one or combination of the following subjects: Economics, Political Science, History, and Psychology.

Requirements for a minor in Sociology: Eighteen hours of Sociology, three hours of political science and three hours of economics.

Soc. 171 and 172—Introduction to Social Science **Credit 6 hours**

This course is strongly urged for all Freshmen, especially those who intend to major in one of the social science. The course is a combined introduction to the four units offered by the social science department. This course is a year course and credit will be given when completed.

Soc. 271—Introductory Sociology **Credit 3 hours**

This course is designed to give the student a working system of thought about society. Special emphasis on social interaction and its relation to personality and human behavior and the major social processes, including different forms of social contact, isolation, competition, conflict, accommodation, and assimilation are analyzed. Prerequisite except

Soc. 273—Principles of Geography **Credit 3 hours**

Man's adaptation to his geographical and cultural environments. Emphasis on geographical factors in social life and the principal features of the major geographical regions will be discussed.

Soc. 371—Family and Marriage **Credit 3 hours**

The family as a social institution, its origin, nature, development, and trends. The course also is intended as a new departure in marriage education.

Soc. 372—Rural Sociology **Credit 3 hours**

A study of social organization and processes involved in open country and village community life. Rural-urban conflict and accommodative situations, social change as effecting the culture, organization, and status of rural groups.

Soc. 373—Social Pathology **Credit 3 hours**

Designed to give a method and a point of view for approaching the problem of disorganization and break down of control in society.

Soc. 374—Social Psychology **Credit 3 hours**

Analysis of the processes and problems of social interaction with special emphasis upon social attitudes and group psychology.

Soc. 375—Principles of Criminology and Penology **Credit 3 hours**

A study of the causes of crime. Programs for the social treatment of crime, including changes in criminal procedure, modification in penal and reformatory institutions, the individualization of the delinquent, probation and parole, etc. methods of crime prevention.

Soc. 376—The Field of Social Work **Credit 3 hours**

This course aims at a descriptive analysis of the various fields of social work, with special emphasis on the case work, group work, and community organization approaches. The development of objectives and techniques of the various social agencies, public and private, during the past half century.

Soc. 377—Cultural Anthropology **Credit 3 hours**

Significant aspects of cultural development, including the phenomena of cultural changes and diffusion. Special studies of contemporary per-literate people, magic and religion, factors in the transition from tribal to civil society.

Soc. 378—Social Case Work **Credit 3 hours**

An introduction to the theory and techniques of social case work with emphasis upon principles common to various case work activities. Visits to agencies and field work supplement lectures and discussions. Designed to be of service for teaching, ministry, personnel management, and professional social work students.

Soc. 404—Research in the Social Sciences **Credit 3 hours**

An introduction to and an analysis of the methods used in the various social sciences in collecting and interpreting data. Special emphasis will be given to methods used in history, sociology and political science. Required of all majors in social science.

Soc. 471—Race Relations **Credit 3 hours**

Social interactional situation and processes involved in racial contacts; special emphasis on Negro-White relations in the United States.

Soc. 474—Urban Sociology **Credit 3 hours**

Nature, extent, and causes of urbanization, structure and ecology of cities. Urban social types and institutions.

Soc. 476—Advanced General Sociology **Credit 3 hours**

A critical analysis of sociological principles including a comparative estimate of the frames of reference employed in outstanding systematic work, and the application of theoretical concepts to problems of research and social guidance. Prerequisite 15 hours of social science including Sociology 271.

DIVISION OF EDUCATION

Faculty

*Chapman, O. J., Ph.D.....	Director and Professor of Education
Grissom, T. W., M.A.....	Assistant Professor of Education and Acting Director
Irving, J. L., M.A., M.S. in Ed.	Associate Professor of Education
Tillman, C. F., M.A.	Instructor of Education
Woods, A. G., M. E.	Instructor of Education

Divisional Objectives

The Division of Education functions to offer professional work for the preparation and improvement of:

1. Elementary teachers
1. Secondary teachers

LABORATORY SCHOOLS

The Division of Education operates two laboratory schools; (1) The Elementary Training School, offering instruction in grades one through eight, and (2) the University High School, offering instruction on grades nine through twelve.

The schools serve as laboratories wherein the best methods of teaching, administration, and supervision are demonstrated. The director of the division and the supervising principals and teachers of the two laboratory schools are responsible for coordinating the activities of these schools in such a way as to insure the maximum of benefit for the pupils enrolled therein and the student teachers.

DESCRIPTION OF COURSES

Ed. 101—General Psychology Credit 3 hours

This is a basic course in psychology and is designed to give the student a clear understanding of the origin and development of human behavior.

Ed. 102—Educational Psychology Credit 3 hours

In this course the laws of the psychology of learning are applied to the physical, mental, moral, and social development of the individual. Required of all students qualifying for teachers' certificates. Prerequisite Ed. 101.

Ed. 201—General Methods and Management and Oklahoma School Law Credit 3 hours

The course will study general methods and management and Oklahoma school law on the various school levels. Required of all students qualifying for teachers' certificates. Prerequisite Ed. 102.

* On leave.

Ed. 302—Specific Methods of Teaching Elementary Subjects Credit 3 hrs.

In this course methods of teaching the basic skills, ideas, and attitudes on the lower school level will be stressed. Prerequisite Ed. 201.

Ed. 303—Nature Study and Science Credit 2 hours

This course in Nature Study and Science is designed to present the role and function of science in scientific society. Emphasis is upon the teaching of elementary science.

Ed. 308—Psychology of Childhood Credit 3 hours

A course dealing with the growth of the child from birth to the beginning of adolescence. Prerequisite, Ed. 102.

Ed. 310—Educational Sociology Credit 2 hours

An attempt is made to understand first, such groups as the family, gang, community, church, lodge and nation; and second, to apply that understanding to such problems as educational objectives, the curriculum, guidance, methods, discipline and moral education.

Ed. 311—Educational Measurements Credit 3 hours

A course which deals with the techniques of measurements, analysis and adjustment of the child. Course is designed for students who desire training in the meaning and use of measurements as applied to educational problems. A small fee covering the cost of test materials is required of each registrant. Prerequisite, Ed. 102.

Ed. 314—Philosophy of Education Credit 4 hours

This course outlines and studies the ideas implied in a democratic society and their application to educational theory and practice. Prerequisites, 8 hours of education.

Ed. 322—Adolescent Psychology Credit 3 hours

This course studies the problems of behavior and adjustment of the adolescent. Prerequisite Ed. 102.

Ed. 422—Problems of the Rural School Credit 2 hours

A course designed for the teacher in rural districts. It acquaints the students with the problems and trends of thought in rural education. Visits are made to nearby rural schools for practical analysis.

Ed. 328—Children's Literature Credit 2 hours

A study of literature suitable for the elementary grades, including story telling, folks and nursery rhymes, myths, and nature and fairy stories. Prerequisites, M. L. 101 and M. L. 102.

Ed. 406—Apprentice Teaching in Elementary Schools. Credit 2-4 hours

For students who are seeking elementary certificates. In this course students will do directed observation and practice teaching under the

supervision of the teachers in the Training School. A small fee covering the cost of materials for unit teaching is required of each registrant each semester. Required of students qualifying for elementary teachers' certificates. Prerequisites, Ed. 102, 201, and 302.

Ed. 409—Social Psychology

Credit 2 hours

This course presents the "Field Theory" of social change. Designed to develop an awareness of the major elements producing social and economical changes. Students are encouraged to develop the ability to discover those elements manipulating and controlling the social, economic, and political processes. The ability to predict, and use the scientific method to solve social problems is one objective of this course. Not open to freshmen and sophomores.

Ed. 410—Race Psychology

Credit 2 hours

The origin and development of racial attitudes will be analyzed and discussed, with particular reference to the caste system in this country. Not open to freshmen and sophomores.

Ed. 411—Curriculum

Credit 4 hours

In this course the philosophy and composition of the curriculum at various school levels, from the elementary school to the college, will be traced and discussed.

Ed. 423—School Administration and Supervision

Credit 3 hours

In this course the facts and principles of school administration and supervision of the various levels will be studied. Not open to freshmen and sophomores.

Ed. 424—History of Education

Credit 4 hours

This is a course in the historical development of education which aims to show the successive relationships that have existed between educational theory and practice, on one hand, and the practical economic, and scientific environment on the other. Prerequisite, 10 hours of education.

Ed. 450—Principles of Secondary Education

Credit 2 hours

This is an orientation course in the basic philosophy of the secondary school. The course includes a brief history of secondary education and a detailed discussion of the modern issues, principles and practices of the American secondary school.

Ed. 492—Apprentice Teaching in Secondary Schools

Credit 2 hours

Students in this course will analyze the teaching process through observation of the University High School classes. Prerequisite, Ed. 102 and 450.

Ed. 493—Apprentice Teaching in Secondary Schools

In the course students will do directed teaching in the University High School. Prerequisite, Ed. 492 and 450. **Credit 2-4 hours**

CURRICULUM

B. S. in Elementary Education

FRESHMAN YEAR

First Semester	Second Semester
Engl. 101—Composition3	Engl. 102—Composition3
Hist. 101—Mod. European Hist....3	Hist. 102—Cont. European Hist....3
Biol. 151—Biology (or some other science)4	Biol. 152—Biology (or some other science)4
F. A. 1S1—Sight Singing2	F. A. 1S2—Music2
Art 101—Prin. of Art2	Art 102—Prin. of Art2
P. E. 101—Floor Work1	P. E. 102—Floor Work1
15	15

SOPHOMORE YEAR

English 203—Types of Literature.3	English 204—Adv. Eng. Comp.3
Math. 102—Arithmetic2	Soc. 240—American Gov't3
Ed. 101—Gen. Psychology3	Ed. 201—General Methods3
Soc. 271—Intro. to Soc.3	Soc. 273—Prin. of Geography3
Sci. 157—Hygiene (Personal)2	P. E. 202—Floorwork1
P. E. 201—Adv. Floorwork1	*Soc. 207—Oklahoma History2
*Ag. 105—Agriculture2	
15	15

JUNIOR YEAR

Ed. 322—Probs. of Rural School...2	†Ed. 311—Educational Meas.3
Ed. 308—Child Psychology3	Soc. 202—American History4
Sci. 257—Community Hygiene2	Ed. 302—Specific Methods3
Ed. 314—Phil. of Ed.3	Ed. 328—Children's Literature2
Ed. 102—Ed. Psychology3	Electives4
Electives3	
16	16

SENIOR YEAR

Ed. 303—Nature Study2	Ed. 424—Hist. of Education4
Soc. 304—Negro History3	Ed. 310—Educ. Sociology2
‡Ed. 406—Apprentice Teaching3	‡Ed. 406—Apprentice Teaching3
English 426—Negro Literature3	Electives7
Electives5	
16	16

* Not required if taken in High School.

‡ A fee of \$1.50 (to be paid at the **Division of Education Office**) will be charged each semester to defray the cost of materials which will be used in connection with the course. Open only to seniors who have a "C" average or above in all their work. For each credit hour two hours of participation at the Training School are required.

† Carries a fee of \$2.00 to be paid to instructor within ten (10) days after the beginning of the semester.

DIVISION OF HOME ECONOMICS

Faculty

Washington, S. G., M.A.....	Director and Professor of Home Economics
Gandy, Lenouliah, M.A.....	Assistant Professor of Vocational Home Economics
Kerry, Wynola Lackey, B.S.....	Instructor in Home Economics (Nursery School)
†McConnell, Mae Dee, B.S.....	Instructor in Home Economics (Nursery School)
Washington, E. M., M.A.....	Instructor in Home Economics

Divisional Objectives

The curriculum in home economics is designed to meet the needs of three classes of students:

1. Those who desire to teach the subject.
2. Those who desire a general knowledge of the subject as a part of their liberal education.
3. Those who wish to choose it as background training required for various professional fields.

The Division of Home Economics also provides training in home making.

Requirements for a Bachelor of Science degree in Home Economics, an Oklahoma life high school certificate for teaching home economics and a life vocational certificate are included in this program.

DESCRIPTION OF COURSES

Clothing and Textiles

H. E. 100—Crafts Credit 2 hours

Studies in various forms of structural and decorative design. Instruction in special techniques suitable for public school teaching. Special projects to meet the needs and interests of individual students.

H. E. 101—Art Color and Design Credit 2 hours

This course is arranged to develop an appreciation of art as applied to the home. Development of creative ability, imagination, good judgment in handling problems in line, form and color. A study of the fundamental principles of design and their direct application to daily life. A consideration of structure proportion and arrangement and creative design in lettering.

H. E. 103—Clothing Construction Credit 3 hours

Fundamental processes of clothing construction are applied in simple clothing problems. Emphasis is placed on selection, techniques, economy, care and renovation of clothing.

† Part year.

H. E. 104—Costume Design**Credit 2 hours**

Garments for various types of individuals are studied and designed. Emphasis is placed on color harmony and line in design. Economic and psychological factors influencing selection, accessories and backgrounds are included. Prerequisite H. E. 101, H. E. 103.

H. E. 105—Textiles**Credit 2 hours**

Study of factors essential to intelligent selection and care of textile materials. Standardization and identification of fibers and fabrics. Trend in textile production and trade conditions influencing the consumer are studied.

H. E. 302—Children's Clothing**Credit 2 hours**

A study of clothing requirements, problems in selection, planning and making of children's garments. Special emphasis is placed on workmanship, comfort and hygienic qualities, essential for the growing child. Prerequisite H. E. 101, H. E. 108.

H. E. 354—Home Planning and Furnishing**Credit 3 hours**

The arrangement and selection of the house and its furnishings, are studied from the standpoint of function, efficiency and design. Rendering of plans, elevations and details. Color schemes are based on appropriate patterns in planning ensembles for the whole house. Prerequisite H. E. 101.

H. E. 401—Costume Tailoring**Credit 3 hours**

Special problems in dressmaking and costume suits which require tailored finishes. Prerequisites H. E. 108, H. E. 302.

H. E. 402—Clothing Problems**Credit 4 hours**

A study of clothing problems applicable to personality and complexion types. Students are required to construct garment for themselves and other individual types involving principles which show good taste in color, line and design. Emphasis is placed upon planning, construction, care and renovation of the family clothing. Prerequisite H. E. 101, H. E. 103. Offered in summer session only.

Food and Nutrition**H. E. 231—Food, Selection and Preparation****Credit 4 hours**

Emphasis is placed upon the selection and preparation of food on a reduced or emergency budget. Low cost as well as rational commodities are stressed. Reference is made to the quantity, quality, and variety of foods now available to consumers. Lecture 1 hour, Laboratory 4 hours.

H. E. 232—Advanced Foods**Credit 4 hours**

Subject matter and laboratory practice related to the planning and serving of meals are presented. Laboratory problems are planned, with

a week's rationed meals for specific groups, or stated composition, activity and income as a basis. Prerequisite H. E. 231. Lecture 1 hour, Laboratory 4 hours.

H. E. 233—Household Economics **Credit 2 hours**

The main objective is to discover and point the way toward wiser consuming practices necessary to promote human welfare.

H. E. 403—Fine Cookery **Credit 2 hours**

Emphasis is placed upon the artistic application of form, color, texture and decoration of foods to produce products suitable for special occasions. Prerequisite H. E. 231, H. E. 232.

H. E. 404—Newer Aspects of Foods and Cookery **Credit 2 hours**

Survey of research work being done in foods by various special bureaus, educational institutions, commercial firms, and scientists. New books and magazine articles are reviewed. Prerequisite, Junior or Senior rating.

H. E. 331—Nutrition **Credit 3 hours**

Emphasizes the factors in an adequate diet thus enabling one to understand human requirements better and to use our common food materials to greater advantage. A study of individual dietary needs with special regard to the relation of such knowledge to health. Wartime nutritional problems are considered specifically.

H. E. 405—Child Nutrition **Credit 2 hours**

This is a study of child requirements and the preparation of food for preschool children; causes, effects, and prevention of malnutrition; and case studies.

H. E. 353—Health of the Family **Credit 2 hours**

Elementary and emergency methods of preventing diseases and caring for the sick in the home.

Home Management and Family Life

H. E. 352—Household Equipment and Physics **Credit 4 hours**

Emphasis is placed upon the selection, methods of operation, and care of household equipment. More emphasis is placed upon the care and use of equipment in order to prolong its efficiency as a result of the war. A study is being made of the new substitutes to be used in the construction of postwar equipment.

H. E. 482—Home Management and Residence **Credit 5 hours**

A study of ways and means of developing managerial abilities in the organization of a home and family group. Human and material resources are considered. Senior rating required.

H. E. 481—Family Relationships **Credit 2 hours**

Is the study of the family groups, its place in the present social order and the possible changes that will occur during the postwar era.

H. E. 283—Elementary Child Care **Credit 2 hours**

A critical examination of experimental literature in child development from the standpoint of its application to preschool children. Individual problems.

Home Economics Education**371—Methods in Teaching Home Economics** **Credit 3 hours**

Focuses emphasis on four large problems: a philosophy of home economics consistent with democratic living; determining the place of home economics in the secondary school program; techniques in teaching which contribute to growth in democratic living; and evaluating changes in behavior. Major emphasis on techniques of teaching. Opportunity given for each student to work on a problem of her own particular interest. Prerequisite, Educational Psychology, Educational Measurements, Philosophy of Education and Junior College Standing.

474—Observation and Student Teaching **Credit 6 hours**

A. Study of home and community through home visiting and participating in community activities. Observation of and some experience in organization of home economics in small and large departments and in general and vocational homemaking departments.

B. Preparation of teaching materials, visits to schools. Teaching of homemaking classes on grade levels from elementary school correlation to adult classes. Individual and group conferences. Prerequisite, Educational Psychology, Philosophy of Education, Educational Measurements and H. E. 371.

H. E. 480—Problems in Teaching Homemaking **Credit 2 hours**

A basic method course for experienced teachers. Problem and project methods, pupil participation, discussion techniques, group experiences and evaluation in homemaking. Prerequisite, H. E. 371 and 474. Offered in summer session only.

H. E. 490—Adult Education in Homemaking **Credit 2 hours**

Analysis of the activities and opportunities for home economics in the adult education field. Organization procedures, curriculum materials and methods of conducting adult study groups. Classes in homemaking for women will be used for observation. Offered in summer session only.

CURRICULUM

Bachelor of Science in Home Economics

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engl. 101—English Comp.	3	Engl. 102—English Comp.	3
Chem. 101—Gen. Chem.	3	Chem. 102—Gen. Chem.	3
H. E. 100—Orientation	2	H. E. 102—Art, Color, Design	2
Art 101—Prin. Art	2	H. E. 103—Clothing	3
H. E. 105—Textiles	2	Ag. 105—Gen. Ag.	2
H. E. 233—H. H. Ec.	2	Hist. 207—Okla. Hist.	2
P. E. 101—Floorwork	1	P. E. 102—Floorwork	1
	15		16

SOPHOMORE YEAR

Engl. 201—Adv. Gram.	3	Engl. 212—Public Speaking	3
Chem. 311—Org. Chem.	3	Pol. Sc. 240—Am. Gov't.	3
H. E. 231—Foods	4	H. E. 232—Adv. Foods	4
Ed. 201—Gen. Meth.	3	H. E. 104—Costume Design	2
Soc. 202—Am. Hist.	3	Ed. 102—Ed. Psych.	3
P. E. 201—Adv. Floorwork	1	H. E. 353—Health of Family	2
		P. E. 202—Adv. Floorwork	1
	17		18

JUNIOR YEAR

H. E. 354—H. Plan. & Furn.	3	H. E. 331—Nutrition	3
H. E. 352—HH. Equip. Phy.	4	Soc. 372—Rural Soc.	3
Ed. 314—Phil. of Ed.	3	H. E. 302—Child Clothing	2
Biol. 450—Bacteriology	3	Ed. 450—Prin. of Sec. Ed.	2
Soc. 303—Negro Hist.	3	Ed. 222—Adol. Psychology	3
		Electives	4
	16		17

SENIOR YEAR

H. E. 483—Child Care & Training	3	H. E. 474—a, b—Obs. & App. Tch.	6
H. E. 371—H. Ec. Meth.	3	H. E. 482—H. Mgn. & Res.	5
H. E. 401—Costume Tailor	3		
H. E. 481—Family Relation	2		
Electives	6		
	17		11

SENIOR OPTIONS

First Semester	Hrs.	Second Semester	Hrs.
H. E. 402—Cloth. Prob.	4	H. E. 490—Adult Homemaking	2
H. E. 403—Fine Cookery	2	H. E. 406—Prob. Presch. Ed.	2
H. E. 404—Newer Aspects of Foods, Cookery	2	H. E. 407—Obs. Nursery School....	2
H. E. 405—Child Nutrition	2	H. E. 486—Child Study & Parent Ed.	3
H. E. 200—Adv. Crafts	2		

DIVISION OF INDUSTRIAL ARTS

Faculty

Miller, E. A., M.S.....	Director and Professor, Division of Industrial Arts
Code, S. G.	Instructor of Tailoring
**Hebert, A. C., B.S. in E. E.	Instructor of Applied Electricity
Isaac, Otis, B.S.	Instructor of Shoe Making
Gilyard, Odell, B.S.	Instructor of Auto Mechanics

Objectives

The Division of Industrial Arts has a three-fold purpose to perform:

1. To satisfy the needs of the prospective teacher of Industrial Arts.
2. To satisfy the needs of the individual who desires information or trades experience in a particular field.
3. To provide professional and technical training in certain branches of engineering.

ORGANIZATION

To achieve our objectives the Division of Industrial Arts has organized its work into three courses:

Course 1. To satisfy the needs of the prospective teacher of Industrial Arts with a minor in Mathematics and Science.

Course 2. To satisfy the needs of those interested in the Engineering field from a managerial standpoint.

Course 3. To satisfy the needs of the individual who from force of circumstances or other causes desires information or trades experiences in a particular field.

Courses 1 and 2 carry full college credit and a degree will be granted in each course. It must be expressly understood that the man following course 2 will not endeavor to satisfy the requirements of the Board of Education and therefore will not receive the license to teach in the State of Oklahoma until such requirements have been met.

The Industrial engineering curriculum is based on the fundamental sciences of mathematics, physics, and mechanics, which are the foundation subjects of engineering. Other basic courses endeavor to give the prospective student a broad understanding of the engineering field as a whole. Graduates of this course are prepared to enter positions in the managerial activities of engineering such as sales and purchasing, personnel, planning and cost control, including features of plant location and factory planning, plant maintenance, production design and development and the administration and management of industries.

** Armed forces.

DESCRIPTION OF COURSES

Manual Training

- Ind. 101—Bench Work** **Credit 2 hours**
Required of all Industrial Education students. Elementary hand wood-working, up to and including the dado joint.
- Ind. 102—Bench Work** **Credit 2 hours**
In this course is given the design and use of the mortise and tenon joint; application of same being made on small pieces of furniture.
- Ind. 103—Wood Turning** **Credit 2 hours**
Required of all Industrial Education students. This is the beginning course in wood turning.
- Ind. 201—Cabinet Making** **Credit 2 hours**
Required of all Industrial students. A beginning course in machine woodworking, including production work and individual projects. Prerequisite, 102 or its equivalent.
- Ind. 202—Cabinet Making** **Credit 2 hours**
A continuation of 201, in which each student must build one or more creditable pieces of furniture.
- Ind. 203—Care of Equipment** **Credit 1 hour**
Must be taken with 202. The student is taught to file saws of all sorts, and the care of the machine equipment with general shop safety.
- Ind. 204—Carpentry** **Credit 2 hours**
Practice in rafter cutting and elementary house carpentry, such as building garages, play houses, etc.
- Ind. 205—Woodturning and Pattern Making** **Credit 2 hours**
This course is for the purpose of making wood forms for Foundry and Metal work. Elective.
- Ind. 301—Industrial History** **Credit 2 hours**
This course deals with the stages of development in industry, and its present trends.
- Ind. 302—Wood Finishing** **Credit 2 hours**
A study of various finishes and their composition, including a study of woods.
- Ind. 305—Upholstering** **Credit 2 hours**
A study of upholstery materials and project practice.
- Ind. 401—Industrial Methods** **Credit 2 hours**
Methods of teaching and organization of the subject matter.
This is an attempt to keep pace with market competition. Operation of shop as a productive unit making furniture and other articles of use in particular major field.

Ind. 404—Shop Work on Productive Basis **Credit 2 hours or 4**
Continuation of Course 403.

Ind. 405—Advanced Furniture Making **Credit 2 hours**
Practice in woodwork in advance of the requirements of the course.

Printing

Ind. 151—Fundamentals of Printing **Credit 2 hours**
Learning type cases and type faces. Study of sizes and type families. Practice of straight matter setting.

Ind. 152—Straight Matter Setting **Credit 2 hours**
Simple jobs and layouts. Platen Press feeding. elementary stonework.

Ind. 251—Study of Forms **Credit 2 hours**
Impositions, elementary design and display.

Ind. 252—Intermediate Design **Credit 2 hours**
Study of forms in general. Study of effective type arrangements. Ruled forms.

Ind. 351—Advanced Design and Layouts **Credit 2 hours**
Study of book and periodical forms. Elementary Linotype operation. Multi-color presswork.

Ind. 352—Study of Paper Stocks **Credit 2 hours**
Figuring costs, printing office accounts, intensive shop practice.

Ind. 451—Binding **Credit 2 hours**
Study of stapling, perforating and cutting machinery. Proof reading, advanced press work.

Ind. 452—Management **Credit 2 hours**
Study of various types of printing establishments; elementary newspaper practice. Shop management.

Shoemaking

Ind. 161—Elementary Shoe Repairing
This course is for the purpose of teaching the student the care and use of shoe making tools, equipment, materials, types of shoe construction, and how they are repaired.

Ind. 162—Elementary Shoe Repairing **Credit 2 hours**
Building heels of all styles and types and half soling welt shoes.

Ind. 261—Advanced Shoe Repairing **Credit 2 hours**
Selecting and judging the qualities of sole and upper leathers. Half soling and heeling ladies McKay and Welt shoes.

Ind. 262—Advanced Repairing **Credit 2 hours**
Review of the 1st semester work and cement soling.

Ind. 361—Elementary Shoe Repairing **Credit 2 hours**
 Putting on men and ladies whole soles, color dying, and introduction to making of new shoes.

Ind. 362—Elementary Shoemaking **Credit 2 hours**
 Fitting inner soles, counters, boxes, toe caps, welts, sewing and finishing soles and heels.

Ind. 363 **Credit 2 hours**
 Study and practice in leather crafts.

Ind. 461—Measurements **Credit 2 hours**
 Making lasts to fit the foot and lasting hand made shoes.

Ind. 462—Advanced Shoe Making **Credit 2 hours**
 Drafting, upper making, shop management and business methods.

Auto Mechanics

Ind. 111—Automobile Construction and Design **Credit 2 hours**
 Principles of construction and operation of the automobile.

Ind. 112—Automobile Servicing **Credit 2 hours**
 Washing, lubrication, polishing and general car care.

Ind. 114—Metal Work **Credit 2 hours**

Ind. 211—Front End Designs, Transmissions, Differentials and Brakes **Credit 2 hours**
 Construction, adjustments and repairs.

Ind. 212—Automobile Engines and Carburetion System **Credit 2 hours**

Ind. 215—Same as Ind., Eng., Mfg. Processes **Credit 2 hours**

Ind. 311—Ignition, Lighting System & Battery **Credit 2 hours**
 Fundamental principles and practices of automotive electricity.

Ind. 312—Generators and Starters **Credit 2 hours**
 Construction, operation and repair of starters and generators.

Ind. 314—Electric and Acetylene Welding **Credit 2 hours**

Ind. 411—Body & Fender Work and Paint Spraying **Credit 2 hours**
 Procedures in body and fender repair, methods of paint spraying.

Ind. 412—Auto Mechanics **Credit 2-4 hours**
 Machine shop practice. Use of steel lathe for making tools.

Ind. 413—Shop Management and Foremanship **Credit 2 hours**
 With apprenticeship training in commercial shop.

Photography

Ind. 381 **Credit 2 hours**
 Theory and practice of photography with view and hand cameras; development of plates and printing.

- Ind. 382—(Continued)** **Credit 2 hours**
 Enlargements, reductions and reproductions of photographs, scenes, maps, etc.

Laundering

- Ind. 121—Washroom Practice** **Credit 2 hours**
 A study of fabrics, equipment and washroom practice.
- Ind. 122—Washroom Practice** **Credit 2 hours**
 Continuation of 121. Special renovation and ironing.
- Ind. 221—Laundry Science** **Credit 2 hours**
 Laundry science and test applications.
- Ind. 222—Laundering** **Credit 2 hours**
 Laundry machinery, practical work and a study of laundry machines.
- Ind. 203—Care of Equipment** **Credit 2 hours**
- Ind. 215—Same as Ind., Eng., Mfg. Processes** **Credit 2 hours**
- Ind. 321—Boiler, Boiler Room Practice** **Credit 2 hours**
- Ind. 322—Types of Laundries** **Credit 2 hours**
 A study of the types of laundries with blue print reading.
- Ind. 421—Practical Work** **Credit 2 hours**
 Continuation of 322 with general practice.
- Ind. 422—Management** **Credit 2 hours**
 The organization and administration of the laundry.
- Ind. 424—Dry Cleaning & Alterations** **Credit 2 hours**
 Same as 434.

Tailoring

- Ind. Elementary Tailoring** **Credit 2 hours**
 A study in the use of simple tools with elementary practice work.
- Ind. 132—Rebuilding** **Credit 2 hours**
 Making general alterations and making over suits.
- Ind. 231—Beginner's Drafting** **Credit 2 hours**
 The drafting and making of uniform trousers.
- Ind. 232—Beginner's Drafting** **Credit 2 hours**
 Continuation of course 231.
- Ind. 331—Drafting** **Credit 2 hours**
 The drafting and making of citizens' trousers.
- Ind. 332—Drafting** **Credit 2 hours**
- Ind. 431—Designing** **Credit 2 hours**
 Coat design, and study of materials.

- Ind. 434—Management** **Credit 2 hours**
Continuation of 431.

Drawing

- Ind. 171—Elementary Mechanical Drawing** **Credit 2 hours**
In this course is given instruction in the use of drawing instruments and a study of orthographic projection and development.

- Ind. 172—Mechanical Drawing** **Credit 2 hours**
Prerequisite 171. This course involves the making and reading of drawings, including the development and application of curves.

- Ind. 272—Descriptive Geometry** **Credit 2 hours**
Theory of orthographic projection and its application in solving engineering problems by the projection or revolution of points, lines, planes, and solids. Lab. 4 hrs.

- Ind. 371—Machine Drawing** **Credit 2 hours**
(Elective). A study of upper and lower case lettering; also historic forms and the principles of letter-composition.

- Ind. 271—Working Drawing** **Credit 2 hours**
Theory and practice in the design of projects used in the manual training courses.

- Ind. 372—Industrial Art Design** **Credit 2 hours**
Prerequisite, Drawing 171 and 172. A study of period furniture, the essential characteristics as to service and beauty.

- Ind. 471—Architectural Drawing** **Credit 2 hours**
A beginner's course in architectural drawing and follows up Ind. 371.

- Ind. 472—Architectural Drawing (Elective)** **Credit 2 hours**
The planning of house exterior and interior; a study of room arrangement; lighting, heating and sanitation.

Industrial Engineering

- Eng. 115—Surveying** **Credit 2 hours**
The use and care of surveying instruments, and the methods used in plane and topographic surveying. Supplemented with drafting room work. Prerequisite, Math. 103 (Trig.)

- Eng. 116—Engineering Lectures** **Credit 3 hours**
A series of problems designed to acquaint the student with some of the work of the engineer. Lecture and laboratory 3 hours per week.

- Eng. 205—Metallurgy of Iron and Steel** **Credit 2 hours**
The manufacture of ferrous products, involved calculations; pertaining to the same; constitution of iron carbon alloys; effects of mechanical and heat treatments. Two recitation periods per week.

Eng. 206—Pattern Making **Credit 2 hours**

For Engineering students. Elementary bench work, wood turning, and pattern making. Laboratory course.

Eng. 208—Foundry Practice **Credit 2 hours**

For Engineering or Special Trades students, making moulds, cores, and pouring molten metal. Laboratory course.

Eng. 215—Industrial Engineering Manufacturing Processes **Credit 2 hours**

An illustrated lecture course consisting of slides, prints, etc., showing present day industrial practices in fields of agriculture, home economics, industrial arts, etc. Recitation and laboratory, two hours.

Eng. 217—Mechanics, Book 1 & 2 **Credit 3 hours**

Elementary mechanics statistics; rectilinear and curvilinear motion, virtual velocities, movements of inertia; work energy, power. Recitation 3 hours per week.

Eng. 301—Electrical Construction **Credit 2 hours**

A practical course in elementary electricity, consisting of ordinary wiring, repairs to electrical equipment, simple fixtures and a study of N. E. C. Requirements.

Eng. 302—Steam Power Plants **Credit 2 hours**

The selection of size and type of boilers, location of apparatus, steam lines and water lines with practical experience gained in the school plant.

Eng. 305—Time Study **Credit 3 hours**

The principles and practices of time analysis of work in the shop for the purpose of setting standards of performance and improving methods of production. Laboratory 4 hours per week.

Eng. 412—Machine Shop Practice **Credit 3 hours**

Same as Auto Mechanics 412.

Eng. 401—Kinematics of Machinery **Credit 2 hours**

Instant centers; linear velocities by the instant center method; velocity diagrams; gears, belts and pulleys. Prerequisite, Ind. 171, Sci. 221. Recitation 1 hour; practice 3 hours.

Eng. 404—Tool Design **Credit 2 hours**

Special equipment and methods used in interchangeable manufacturing in the machine shop; design of the more simple special tools. Lab. 4 hrs.

Eng. 406—Production Planning **Credit 2 hours**

The design and construction of special equipment to be used in production jobs. Gig design, etc.

Eng. 306—Industrial Organization **Credit 3 hours**

The organization and management of industrial enterprises.

Eng. 303—Advanced Heat Engineering **Credit 2 hours**

As applied to steam power plants and a study of simplest phases of refrigeration and cold storage with design and location of apparatus for a refrigeration plant.

Eng. 407—Factory Cost **Credit 2 hours**

Cost accounting as applied to factory production and methods used in allocating factory costs. Prerequisite, Ind. 306.

Eng. 402—Scientific Management **Credit 2 hours**

A study of present methods of management in industry.

Eng. 416—Factory Planning **Credit 3 hours**

The collection and analysis of the data required for the design of an industrial plant or shop, through tracing, blue prints, etc. With specifications of machine layout as well as heating, ventilating and lighting systems. Laboratory, 6 hours per week.

Eng. 417—Heating and Ventilating **Credit 3 hours**

An elementary course covering thermodynamics of various types of heat engines, with practical details, problems in perfect gases, steam, combination and boiler performance. Steam power plant laboratory 4 hours. Recitation 2 hours.

Electricity

Ind. 191—Wiring **Credit 2 hours**

Theory and practice in wiring simple fixtures.

Ind. 291—Wiring **Credit 2 hours**

This course includes the measuring and bending of conduit and advanced wiring.

Ind. 294—Job Management **Credit 2 hours**

This includes estimation and management of electrical jobs, with practical experience.

The Special Trades Course

The Trades Course is a two-year course for students who desire to specialize in some particular trade without the regular academic work of the college. This course is composed of industrial subjects and technical training and practice in a selected trade.

***Trade 104A & B Trade** **Credit 8 hours**

Practical training in each trade. Laboratory 5 hours per day. Credit 4 hours each semester.

Trade 114 & 115 Technical Composition **Credit 6 hours**

This course is a combination of elementary grammar and English composition. This course continues into reading and writing with the use of technical terms. Credit 3 hours each semester.

Trade 103A & B Shop Mathematics **Credit 4 hours**

This is a course in practical mathematics which develops into special problems common to each trade. Credit 2 hours each semester.

Trade 134—Tool Care **Credit 2 hours**

This course deals with the names, uses, and care of tools.

Trade 144A & B—Mechanical Drawing **Credit 4 hours**

This course deals with the fundamental principles in drawing, with special stress on trade drawing. Credit 2 hours each semester.

Trade 208—A & B Trade **Credit 8 hours**

An advanced course of 104, with much stress on the development of skill. Laboratory 5 hours per day. Credit 4 hours a semester.

Trade 228—Trade Administration **Credit 2 hours**

Instruction related to organized efficiency in trade work.

Trade 248—A & B Advanced Composition **Credit 6 hours**

A continuation of course 114, including speaking.

Trade 208—Trade Science **Credit 3 hours**

Introductory course in general physics with emphasis on measurements, machines, heat, electrical theory and application.

Trade 228—A & B Elective Trade **Credit 4 hours**

Practice in any other trade. Credit 2 hours each semester.

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engl. 101—English Comp.	3	Engl. 102—English Comp.	3
Math. 101—College Algebra	3	Math. 106—Trig.	3
Ind. 101—Bench Work	2	Ind. 102—Bench Work	2
Ind. 171—Mech. Drawing	2	Ind. 172—Mech. Drawing	2
Ind. 114—Metal Work	2	Chem. 101—Gen. Chem.	3
Ag. 105—General Ag.	2	Ind. 111 or its equivalent.....	2
P. E. 101—Phy. Ed.	1	P. E. 102—Phy. Ed.	1

SOPHOMORE YEAR

Engl. 201—Adv. Gram.	3	Ed. 102—Ed. Psy.	3
Ind. 203—Care of Equip.	2	Pol. Sci. 240—American Gov't	3
Soc. 202—American Hist.	3	Phys. 222—Gen. Phys.	4
Phys. 221—Gen. Phys.	4	Ind. 202, 103 or equivalent.....	2
Ind. 201, 103 or equivalent.....	2	(Cabinet making)	
Ind. 271—Work Drawing	2	Ind. 272—Descriptive Geom.	2
P. E. 201—Phy. Ed.	1	P. E. 202—Phy. Ed.	1
Engl. 212—Public Speaking	3		

JUNIOR YEAR

Ed. 201—Gen. Methods	3	Ed. 222—Adol. Psy.	3
Ind. 301—Ind. Hist.	2	Ed. 450—Measurements	3
Ind. 302—Wood Finishing	2	Ind. 204—Carpentry	2
Ind. 371—Machine Drawing	2	Ind. 372—Ind. Arts Design	2
T & I 373—Hist. & Phil. of		Soc. 207—Okla. History	2
Voc. Education	4	Ind. 404—Prod. Basis	4
Ind. 403—Prod. Basis	2	Electives	2
Electives	2		

SENIOR YEAR

Ed. 450—Prin. of Sec. Ed.	2	Ed. 493—App. Teaching	3
T & I 394—Methods of Teach.	3	Ind. 472—Arch. Drawing	2
B. A. 251—Elem. Acct.	3	Soc. 222—Economics	3
Soc. 221—Economics	3	B. A. 252—Cost Accounting	3
Ind. 471—Arch. Drawing	2	Electives	6
Electives	4		

B. S. IN INDUSTRIAL ENGINEERING

FRESHMAN YEAR

Math. 101—College Algebra	3	Math. 106—Trig.	3
Chem. 101—Gen. Chem.	3	Chem. 102—Gen. Chem.	3
Ind. 171—Mech. Drawing	2	Engl. 102—English Comp.	3
Engl. 101—English Comp.	3	Eng. 115—Surveying	2
Ind. 101—Bench Work	2	Eng. 116—Engineering Lect.	3
Ind. 114—Metal Work	2	Ind. 172—Mech. Drawing	2
P. E. 101—Phy. Ed.	1	P. E. 102—Phy. Ed.	1

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Math. 204—Analytical Geom.	4	P. E. 202—Phy. Ed.	1
Phys. 221—Gen. Phys.	4	Math. 305—Calculus	4
Ind. 201—Cabinet Making & Pattern Making	2	Phys. 222—Physics	4
Eng. 205—Metallurgy of Iron and Steel	2	Ind. 215—Forge & Heat Treat- ment	2
Ind. 271—Working Drawing	2	Ind. 202—Cabinet & Pattern Making	2
Engl. 201—Adv. Gram.	3	Engl. 212—Public Speaking	3
P. E. Phy. Ed. 201	1	Ind. 272—Descriptive Geom.	2

JUNIOR YEAR

Eng. 305—Time and Motion Study	3	Ind. 391—Pract. Elect.	2
Eng. 215—I. E. Mfg. Pro.	2	Eng. 306—Ind. Organization	2
Eng. 302—Steam Power Plants	2	Eng. 303—Steam Power Plants	4
Soc. 221—Economics	3	Soc. 325—Econ. Hist. of U. S.	3
Ind. 373—Machine Design	2	Eng. 217—Mechanics	3
Electives	2	Ind. 372—Ind. Art Design	2
Math. Calculus	4	Electives	2

SENIOR YEAR

B. A. 251—Elem. Acct.	3	Eng. 402—Scientific Manage- ment	2
Eng. 407—Factory Costs	2	Ind. 472—Archt. Drawing	2
Ind. 471—Archt. Drawing	2	Eng. 416—Factory Planning	3
Eng. 406—Production Planning	3	Eng. 417—Heating & Ventilation	3
Eng. 404—Tool Design	2	Electives	5
Electives	5		
B. A. 252—Cost Acct.	3		

TECHNICAL TRADES**(2 year course)**

The Curricula in technical training are designed to give the student actual practice in the trade selected under direct supervision of an expert in the trade. Other related subjects of Science, Mathematics, Drafting, etc., are included to assure the individual of a technical foundation for his work.

With the permission of the Director, a student may substitute courses of College level for the related courses in English, Mathematics, etc. Trades experiences are offered in the following:

Technical Trades

Wood Work	0
Auto Mechanics	1
Laundry	2
Tailoring	3
Plumbing	4
Carpentry	5
Shoe Shop	6
Machine Shop	7
Boiler Room Practice	8
Electricity	9

* Code number for different shops to be inserted in middle number of Registration when student is signing for selected Trade, thus 104A indicates that selected trade is in Wood Shop.

Students enrolling in these courses must have the approval of the Director of the Division of Industrial Arts.

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Trade 104A Selected Trade	4	Trade 104B Selected Trade	4
Trade 114 Tech. Comp.	2	Trade 114B Tech. Comp.	2
Trade 124A Shop. Math.	2	Trade 124B Acct. Tradesman.....	2
Trade 144A Mech. Drawing.....	2	Trade 144B Mech. Drawing	2
P. E. 101 Phy. Ed.	1	P. E. 102 Phy. Ed.	1

SECOND YEAR

Trade 208A Selected Trade	4	Trade 208B Elected Trade	4
Trade 134 Tool Care	2	Trade 228 Trade Admin.	2
Trade 268 Trade Science	3	Trade 248B Public Speaking	2
Trade 248 A. Eng. Gram.	2	Trade 391 Practical Elect.	2
P. E. 201 Phy. Ed.	1	P. E. 202 Phy. Ed.	1

DEPARTMENT OF TRADES AND INDUSTRIAL EDUCATION**Nelle Bishop Dillon, B.S.****Associate Professor and Itinerant Teacher-Trainer**

The Department of Trades and Industrial Education serves as the agency, appointed by the State Board of Vocational Education, to offer instruction for the preparation of Negro teachers of Industrial Vocational Education. This function is accomplished, in part, through campus classes for prospective shop and related teachers and, in part, through classes and conferences for teachers in service. The latter meetings are held on week-ends at Langston and during the week in centers throughout the state.

Prospective shop and related subject teachers and coordinators secure their technical subject matter in the various divisions of the college, such as the Division of Arts and Sciences, Division of Home Economics, etc. Technical subject matter is supplemented by the professional study offered by this department. State certification requirements include (a) two years of practical experience, in addition to apprenticeship or learning period, in the trade or occupation which is to be taught, for shop teachers, and (b) two years of experience in one trade or occupation for which the related work is given, or the completion of a two-year technical course of college grade, for related subject teachers, and (c) three years of experience in a trade or occupation, one year in continuous employment, and two years of teaching experience or the time equivalent in personnel direction, foremanship, or managerial experience, for coordinators in part-time vocational educational programs.

Special Requirements For Teachers

All students interested in teaching industrial vocational education shop-work should confer with the Head of the Department of Trade and Industrial Education by the beginning of their sophomore year to plan adequate course sequences in technical study.

Recommended Curricula for Prospective Trade Teachers**T. & I. 383—Introduction to T. & I. Education**

(Designed as a pre-service, orientation course and will be given as a pre-service course whenever possible.)

T. & I. 392—Instructional Planning.

(A workshop-type course for the selection and development of schedules of pertinent work experiences, job analysis, essential instructional materials and reference assignments. This course is intended to provide instructional materials to meet the immediate needs of the participating teachers for materials not otherwise provided.)

T. & I. 393—Instructional Procedure and Techniques.

(This course is designed to raise the level of instructional ability of the teacher through a more complete understanding of the basic factors which govern learning and the employment of more effective teaching procedures and techniques.)

T. & I. 372—History and Philosophy of Vocational Education.

(This course deals with the history and basic principles involved in the philosophy of vocational education. Special emphasis will be placed upon war and post-war conditions as they will affect vocational education programs.)

T. & I. 394—Supervised Teaching Practice.

(This course is intended to provide an opportunity for the teacher to apply and further develop, under the supervision of a teacher trainer, the teaching skills partially developed in previous and concurrent courses. Under ideal conditions this supervised teaching practice will be afforded through an apprentice-type teaching situation, with the new teacher acting as an assistant to a competent, experienced instructor.)

T. & I. 462—Occupational Guidance and Readjustment.

(This course will deal with factors relating to vocational counseling, placements and readjustments, and is recommended as a valuable course for trade instructors and those in the school organization who direct and advise high school students and others on the selection of an occupation.)

T. & I. 463—Workshop in Preparation and Use of Instructional Aids.

(This course affords an opportunity for trade teachers to get information about types of teaching aids that have proven effective, and to design and construct devices which will improve the efficiency of his instruction.)

T. & I. 493—Organization and Management of the School Shop.

(A study designed to give the teacher a knowledge of the principles of shop organization and management. It deals primarily with the utilization of available space, equipment, tools, and materials, and suggests means of carrying on student and teacher activities for the effective operation of the school shop.)

T. & I. 483—Principles and Practices in Maintaining Good Human Relationships.

(The aim of this course is to give teachers an understanding of principles which apply to maintaining good human relationships, the ability to cooperate effectively with others in developing and promoting the objectives of trade training, and to develop desirable social and work attitudes in students.)

T. & I. 473—Evaluation of Instruction.

(A study of the functional devices and procedures especially adapted to evaluating and improving the effectiveness of instruction in trade shop work.)

T. & I. 492—Correlation of Training With Industrial and Community Needs.

(The purpose of this course is to develop the teacher's ability to do his part in maintaining functional relationships between local industries and types of training that may be provided through the school. The objective of the course will be developed through the use of conference procedure, the use of case problems, simulated situations, and supervised practice in making industrial contacts.)

VOCATIONAL AND TECHNICAL TRADE COURSES

Faculty

Nelle B. Dillon, B.S.—Local Supervisor
 Thelma J. Berry, B.S.—Senior Instructor of Cosmetology
 S. G. Washington, M.A.—Commercial Dietetics Instructor
 Otis Isaac, B.S.—Shoe Repair Instructor
 Odell Gilyard, B.S.—Auto Mechanics Instructor
 Monnie L. Mitchell—Junior Instructor of Cosmetology
 Joseph S. P. Lee—Aircraft Sheet Metal Instructor

Courses

Aircraft Sheet Metal	Electrical Repair
Auto Mechanics	Machine Shop
Carpentry	Radio Servicing
Commercial Dietetics	Shoe Repair
Cosmetology	Welding

General Objectives

- A. To prepare efficient tradesmen and tradeswomen
 1. Skilled and semi-skilled workers
 2. Prepare men and women to meet state requirements of their chosen occupation
 3. To give information on labor laws and requirements of the trade worker
- B. To prepare instructors
- C. To help develop needed technical workers in various trades
- D. To offer Refresher Courses and help employed tradesmen and tradeswomen to advance on their jobs

The trade courses offered provide the basic training in each of the various trades enabling graduates to get jobs, show their ability, and to be steadily promoted in the trade in which they have received training. On completion of a trade training course the State Board of Vocational Education and Langston University issue trade certificates certifying hours completed and student's rating. Trade and technical trade training is not given for college credit. The chief objective being training for employment and advancement in the chosen trade or industry.

Trainees completing the aircraft course have been employed by the Oklahoma City Air Service Command, many working up to the position of journeymen after a short period on the job. Trainees from other courses enter private industry and have made good as craftsmen.

Cosmetology graduates complete the 1000 clock hours required by the State Board of Cosmetology for eligibility to the state examination required before one can work in Oklahoma. To date not a single Langston trained cosmetologist has failed to pass the State Board of Cosmetology. Many are making good as operators, shop managers, owners, and teachers.

Equipment

Participation in the National War Production Program made available for training purposes, through Langston's Department of Trades and Industries, the finest of modern shop equipment meeting all government war training equipment standards. This equipment remains installed and ready for continued war training needs or for a sound post-war trade training program.

The Machine Shop is equipped with six Atlas Lathes, Milling Machine, Motor Driven Hacksaws, standard hand tools and other machinery for machine shop practice.

The Welding Shop has six Hobart and Westinghouse 200 Amp. Electric Arc Welders, C. M. Portable Cutting Machines complete with torch tracks and hand tools and other welding equipment valued at several thousand dollars.

The Aircraft Shop is equipped with a full quota of best quality hand tools; as rivet guns, drill motors, micrometers, etc., while such larger machinery and tools as a Whitney-Jensen Brake, Pexto large size shears, Deta Band Saws, Drill presses and motor grinders acquaint the students with machinery and tools they will use in industry. The tool crib and checking system is a replica of what they will find on the job. This shop's facilities can accommodate twenty-four students on each training shift. While the demand was at a peak for our aircraft trainees we had three shifts daily in training. Excellent shop lighting facilities made this possible. Aircraft training records in safety precautions were also excellent. With the help of safety experts from the Oklahoma City Air Service Command our training hazards have been as low as any in the state. To date more than 600 aircraft workers have been trained in this Langston shop.

While the Cosmetology Shop was not equipped during the war crisis or with federal funds, its equipment is modern and is rated by the State Board of Cosmetology as one of the best equipped schools in the state. The more than two thousand dollars worth of equipment consists of health-aiding electrical equipment, modern individual work units and other necessary fixtures. Trainees furnish their small individual tools.

Description of Courses

T. & I.—Aircraft Sheet Metal

Designed to give students a general knowledge of sheetmetal work. It consists of riveting and drilling, forming, layout, blueprint reading, and project work. It gives the student a knowledge concerning the practical uses and value of aluminum in the aircraft industry.

T. & I.—Auto Mechanics

Designed to give maintenance service station operation and reconditioning service.

T. & I.—Carpentry

The course in carpentry is designed to give the student progressive practical experience in all branches of carpentry work under the supervision of the shop instructor.

T. & I.—Commercial Dietetics

This course offers an opportunity for young men and women to secure sound training in the commercial aspects of buying, preparing, and serving foods.

T. & I.—Cosmetology

This course is designed to provide a higher type of training for youth and adults interested in earning a living in the field of cosmetology. It provides training under actual working conditions and gives the technical training occupational information which the worker needs to succeed and advance in this field. The trainees are equipped to pass the State Board examination.

T. & I.—Electrical Repair

Designed to give progressive practical experience in electrical work under the guidance of a shop instructor.

T. & I.—Machine Shop

Designed to acquaint the student with the use and care of hand tools; filing, chipping, tapping, threading, and reaming; and with the use and care of power machine, grinding, drilling, boring and lathe operations.

T. & I.—Radio Servicing

A course designed to give radio servicing procedure with experience in servicing actual production jobs.

T. & I.—Shoe Repair

The students in this course are taught a general course in shoe repairing, such as half soleing and heeling all types of shoes, dyeing, repairing rips, lasting shoes, and all repair jobs. The operation and care of shoe repair machinery and tools, and the ways of selecting and judging leather and other shoe repair materials.

T. & I.—Welding

Designed to give the student actual practice on commercial welding equipment under close supervision of a welding expert.

CORRESPONDENCE AND EXTENSION DEPARTMENT

H. Trice Horton, Director
Correspondence

J. Lampton, Director
Extension

General Information

The purpose of these courses is to make it possible for the teachers in the county to have an opportunity, during their regular school term, to prepare themselves for more efficient service.

Teachers who complete successfully the work of these classes obtain college credit and are aided in securing State Certification.

Range of Appeal

The courses listed in this catalogue are planned to be of service particularly to the following group of people:

1. Men and women who have not had the advantage of much schooling but who realize that pleasure and profit would be gained by systematic course of study.
2. Teachers who are unable to stop a year out of the class room to attend the work of the regular session.
3. Teachers who have pursued their courses in other states but who are required to meet the requirements of Oklahoma.
4. Professional and business men who wish to supplement their training.

Methods of Instruction

Each lesson contains the directions for study, a view of the scope of the work, the reference to text books giving chapters and page, suggestions for assistance, questions to test the work done by the student. After preparing the lesson, the student writes the questions, then the answers; mails his paper direct to the Correspondence Department. The paper is corrected, commented upon and returned to the student with the grade for the lesson. If the work is unsatisfactory it is required to be done in a satisfactory manner. The student thus has a good second chance to see that he understands his work and to do his best.

Fees

Fees are payable in advance. The cost per course is \$5.00 per semester hour. A fee of \$5.00 **per course** must be paid upon enrollment. This fee serves as an initial payment on each course. In case courses are dropped the enrollment fee is not returnable or transferable. Personal checks are not acceptable. Postal Money Orders are preferable. The remainder of the money must be paid before examinations are given.

How To Enroll

The student who wishes to begin correspondence study should have a record of the transcript of his grades in high school and college work

sent to the registrar of the institution as near the time he makes application for the course he desires as is possible for him to do so. This will save time, since the transcript will show what work he has done, and will make it easy to determine the course which he can pursue with the greatest amount of profit. Upon receipt of the fee after the transcript has been received, the first assignments will be sent with explicit directions for study and returning written recitation and reports. Each recitation will be returned with such corrections and suggestions as are thought necessary.

Time Allowance

Students are expected to finish the work for which they have applied before the end of the school term in which he makes application. A student is expected to finish a course before the end of a period in which he enrolls. The periods end on September 30, February 15, and June 10, of each year.

Upon the completion of a course, the student is given a recitation grade. After passing an examination of the course he is given his final grade, which is placed on record in the office of the registrar. If he has a record of residence work in the University, credit is transferred to that record.

Departmental Regulations

While a student may take correspondence work at any time during the regular session, it is advisable that he begin his work as early as possible that he may have credit for it by taking the required examination before the end of each period.

Students with sixty (60) or more semester hours of credit in the institution should have the approval of the directors of the Correspondence and Extension Divisions respectively, as well as the approval of the Dean of the College, if the hours taken in this division are to be accepted towards the graduation requirements.

A student may not take Extension or Correspondence work while enrolled for class room instruction.

One-fourth of the work for a degree may be taken by Extension or Correspondence.

Examinations should be taken not later than two weeks before the close of the spring term. All financial obligations must be cleared before the examination will be given. In the event a student fails a course no money will be refunded.

Thirty (30) hours of work can be taken through the Correspondence and Extension Division. Fifteen (15) hours of which must not be taken in the Junior and Senior field.

Twelve (12) hours of work is allowed a student per calendar year. Eight (8) hours must be taken during the academic school year. The academic school year is divided into two semesters; therefore, four (4) semester hours of work can be taken each semester. A student is allowed to take four semester hours of work during our summer session. Five semester hours of work can be taken during the summer if less than eight hours was completed during the academic school year.

AGRICULTURE

Ag. 105 General Agriculture 2 Hrs.

ART

Art 101 Principles of Art 2 Hrs.

Art 102 Principles of Art 2 Hrs.

Art 107 Perspective Art 2 Hrs.

Art 303 Water Color 2 Hrs.

*Art 405 History of Art 2 Hrs.

MUSIC

FA. 1A1 Music Appreciation 3 Hrs.

FA. 1H1 Music History 2 Hrs.

FA. 1H2 Music History 2 Hrs.

ECONOMICS

Soc. 221 Principles of Economics 3 Hrs.

EDUCATION

Ed. 1 Oklahoma School Law 1 Hr.

Ed. 101 General Psychology 3 Hrs.

Ed. 102 Educational Psychology 3 Hrs.

Ed. 201 General Methods and Management 2 Hrs.

Ed. 222 Adolescent Psychology 2 Hrs.

Ed. 302 Specific Methods of Teaching Elementary Subjects 2 Hrs.

Ed. 308 Psychology of Childhood 3 Hrs.

†Ed. 311 Educational Measurements 3 Hrs.

Ed. 322 Rural School Problems 2 Hrs.

Ed. 328 Children's Literature 3 Hrs.

Ed. 450 Principles of Secondary Education 2 Hrs.

Ed. 424 History of Education 4 Hrs.

ENGLISH

Engl. 101 English Composition 3 Hrs.

Engl. 102 English Composition 3 Hrs.

Engl. 223 English Literature 3 Hrs.

Engl. 224 English Literature 3 Hrs.

*Engl. 301 American Literature 3 Hrs.

*Engl. 302 American Literature 3 Hrs.

*Engl. 423 Romantic Movement 3 Hrs.

† An additional fee of (\$5.00) must be sent to cover the cost of test which must accompany each assignment for this course; Ed. 311 Educational Measurements.

* Offered by extension only upon approval by department head.

POLITICAL SCIENCE

Pol. Sci. 240	American Government	3 Hrs.
Pol. Sci. 241	State Government	3 Hrs.

HISTORY

Hist. 101	Modern European History	3 Hrs.
Hist. 102	Contemporary European History	3 Hrs.
Hist. 202	American History 1492 to 1860	4 Hrs.
Hist. 203	American History 1860 to Present Time.....	3 Hrs.
Hist. 207	Oklahoma History	2 Hrs.
Hist. 300	History of Medieval Europe	3 Hrs.
Hist. 303	The History of the Negro in America.....	3 Hrs.
Hist. 304	History of England to 1688.....	3 Hrs.
Hist. 305	History of English from 1688 to Present	3 Hrs.
Hist. 306	Ancient Greek History	3 Hrs.

HOME ECONOMICS

*HE 331	Nutrition	3 Hrs.
*HE 354	House Planning and Furnishing	3 Hrs.

MATHEMATICS

Math. 101	College Algebra	3 Hrs.
Math. 102	Arithmetic for Elementary Teachers	3 Hrs.
Math. 104	Solid Geometry	2 Hrs.
Math. 106	Plane Trigonometry	3 Hrs.
*Math. 204	Plane Analytic Geometry	4 Hrs.

SCIENCE

Sci. 157	Personal Hygiene	2 Hrs.
Sci. 257	Community Hygiene	2 Hrs.

SOCIOLOGY

Soc. 271	Introduction to Sociology	3 Hrs.
Soc. 372	Rural Sociology	3 Hrs.
Soc. 273	Principles of Human Geography	3 Hrs.

STATE REQUIRED SUBJECTS

Hist. 207	Oklahoma History	2 Hrs.
Ed. 1	Oklahoma School Law	1 Hr.
Ag. 105	General Agriculture	2 Hrs.

* These courses cannot be taken through Extension.

STUDENT ROSTER

1943-44

FRESHMEN

Name	Town
1. Adams, Ellen Artrenia	Tulsa
2. Adams, Evelyn Amanda	Flint, Texas
3. Adams, Harriett Mae	Tulsa
4. Adams, Jewel Marie	Okmulgee
5. Alexander, Bernice E.	Oklahoma City
6. Anderson, Leola Lorene	Binger
7. Atkinson, Willie Mae	Okmulgee
8. Ball, Audrey Ruby	Ft. Gibson
9. Barnes, Beulah Mae	Idabel
10. Braggs, Colleen H.	Guthrie
11. Bridges, Gwendolyn Faye	Shawnee
12. Brown, Jesse	Fairfax
13. Brown, Muriel Anita	Langston
14. Chambers, Sidney Odell	Sapulpa
15. Colbert, Erie Mae	Idabel
16. Cooper, Reginald David	Langston
17. Crawford, Hazel Geneva	Langston
18. Crowell, Theodra Harlene	Chickasha
19. Davis, Bernice Opaline	Chandler
20. Depp, Oceola Kathryn	Muskogee
21. Dudley, Charlesetta	Muskogee
22. Dukes, Agnes Irene	Boley
23. Edwards, Almyra Vivian	Muskogee
24. Elliott, Lydia Marie	Porter
25. Elliott, Othello A.	Muskogee
26. Farmer, Louise Marshall	Holdenville
27. Farmer, Mary Alma	Choctaw
28. Fields, Dorothy Louise	Shawnee
29. Fitzgerald, Lola Parker	Dover
30. Forbes, Grace Jeraldine	Ardmore
31. Foreman, Wiley Edward	Okmulgee
32. Franklin, Zenobia Fern	Hennepin
33. Franks, Vivian Sephronia	Ardmore
34. Giggers, Essie Mae	Elmore City
35. Hale, Alma Jane	Shawnee
36. Hall, Ophelia Inez	Okmulgee
37. Harris, Colleen O.	Langston
38. Harris, Leaearn	Broken Bow
39. Hatch, Arua Milgene	Checotah
40. Hatton, Hunter Milton	Okarche
41. Henderson, Mamie Lee	Okmulgee
42. Hendricks, Viola Lillian	Okmulgee
43. Hill, Andrew Carrell	Hugo
44. Hill, Nazell Flota	Idabel
45. Hill, Jimmie Lee	Texarkana, Texas
46. Hunt, Clemmie Singleton	Hugo
47. Hunt, Gladys Clindell	Idabel
48. Irons, Myra G.	Langston
49. Jackson, Ola Mae	Binger
50. Jennings, Geoffrey Jackie	Muskogee
51. Johnson, Randolph David	Sand Springs
52. Jones, Belma Yvonne Cook	Sand Springs
53. Knowles, Olenda	Tulsa

54.	Love, Lovie	Stillwater
55.	Lyons, Mack	Okmulgee
56.	McDonald, Hazel B. J.	Wewoka
57.	McFall, Clifford Oscar	Cleveland
58.	McKinley, Roosevelt	Idabel
59.	Manuel, Priscilla Arnetta	Tulsa
60.	Metcalf, Dorothy Louise	Abilene, Texas
61.	Mitchell, Monnie Lee	Frederick
62.	Mixon, Idell Lonzetta	Boley
63.	Moon, Lettitia E.	Guthrie
64.	Nero, Rosa Lee	Ft. Gibson
65.	Osborne, Dollie Vera Mae	Eufaula
66.	Owens, Naomi Marietta	Cushing
67.	Parham, Gladys Louise	Choctaw
68.	Parks, Juanita Hazel	Oklahoma City
69.	Patterson, Geraldine Jones	Wewoka
70.	Pettus, Oretta	Geary
71.	Pollard, Christine Armelia	Luther
72.	Robinson, Ruth	Redbird
73.	Ross, Mae Doris	Ft. Worth, Texas
74.	Ryan, Ella Mae	Newalla
75.	Scarborough, Edna Beatrice	Hennessey
76.	Scott, George Jr.	Taft
77.	Scott, Velma A.	Hollis
78.	Shields, Mary Louise	Atoka
79.	Simmons, Alice Maxine	Tulsa
80.	Smith, Ernest	Okmulgee
81.	Smith, Juanita Phoebe	Chicago, Illinois
82.	Smith, Zemula Ernestine	Bristow
83.	Storey, Kathryn Bonita	Tulsa
84.	Taylor, Evelyn Ethel	McAlester
85.	Taylor, Mattie Beatrice	McAlester
86.	Taylor, Queen Zenobia	Tulsa
87.	Tennison, Geneva J.	Atoka
88.	Thomas, Irene Doris	Muskogee
89.	Thomas, Ruth Wattyerene	Muskogee
90.	Thompson, Esther Jean	Chickasha
91.	Thompson, Ruth Elaine	Muskogee
92.	Walker, Fern Mildred	Clearview
93.	Wallace, Anna Lee	Castle
94.	Washington, Christine E.	Tulsa
95.	Washington, Irene Georgia	Wilburton
96.	Watson, William	Okmulgee
97.	West, James Dale	Luther
98.	Whitlow, Leo	Hugo
99.	Wilburn, Thelma Louise	Porter
100.	Wiley, Elmer Lee	Anadarko
101.	Wilkins, Bernice Christine	Tulsa
102.	Williams, Lillie Mae	McAlester
103.	Williams, Marian Vivian	Wewoka
104.	Williamson, Jewel Mary	Muskogee
105.	Wilson, Lennie Lois	Shreveport, Louisiana
106.	Wilson, Lorraine F. C.	Idabel
107.	Windsor, Louis Emanuel	Muskogee
108.	Wolfe, Faustina Charlotte	Okmulgee

STUDENT ROSTER

1943-44

SOPHOMORES

Name	Town
1. Abram, Flora Altheda	Boley
2. Arterbery, Althea Jean	Langston
3. Arterbery, Bobbye Joe	Sherman, Texas
4. Brown, Gwendolyn	El Reno
5. Bruce, Dorothy Mae	Muskogee
6. Bryant, Janet Bell	Clinton
7. Bryant, Lavern	Dewey
8. Buckner, Dorothy Mae	Wewoka
9. Butler, Willola Anita	Harris
10. Carter, Lula Mae	Tatums
11. Chatman, Gladys Elnita	Okmulgee
12. Code, Hazel Dinah	Langston
13. Coffey, Florence Mildred	Oklahoma City
14. Crawford, Hazel Geneva	Langston
15. Crawford, Marzella Doris	Arcadia
16. Davis, Juanita Jean	Okmulgee
17. Dedmon, Evelyn Clovice	Hugo
18. Dulan, Zethel Mae	Luther
19. Durant, Martha Catherine	Tulsa
20. Franklin, Birdie B.	Guthrie
21. Franks, Lillian Gladys	Ardmore
22. Gamble, Ruby Jewel	Idabel
23. Gant, Ivey Maurice	Oklahoma City
24. Gladney, Jamesetta	Muskogee
25. Goodlow, Rosie Dell	Harris
26. Graves, Doris Juanita	Crescent
27. Graves, Eddie Mae Matthews	Houston, Texas
28. Griffin, DuWayne Frankalin	Tulsa
29. Harkins, Clarence	Oklahoma City
30. Harper, Lillian Hortense	Wagoner
31. Harrison, Elizabeth Sybil	Sapulpa
32. Haynes, Marques Oreole	Sand Springs
33. Henderson, Alma Frances	Kansas City, Missouri
34. Hilliard, Dorothy Adell	Hillsboro, Texas
35. Hubbard, Albertha Maylois	Bartlesville
36. Hughes, Erma Jeanne	Sapulpa
37. Jenkins, Margery Mack	Meridian
38. Johnson, Pauline E.	Newalla
39. Jones, Agnes Mary	Oklahoma City
40. Jones, Gertrude Kathryn	Perkins
41. Lilly, Dorothy M. Cunningham	El Reno
42. McCord, Marjorie Lorraine	Taft
43. McGinnis, Lavarene De Lois	Muskogee
44. McIntyre, Imogene Olivett	Muskogee
45. McKenzie, Dollie Mae	Boswell
46. McNeely, Alice Marie	Oklahoma City
47. Malone, Willie	Seminole
48. Mason, Minnie Saddler	Okmulgee
49. Maxwell, Campbell	Muldrow
50. Mooreland, Edder Mae	Cushing
51. Morris, Bernice Ivory	Tulsa

52. Myers, Bertha	Muskogee
53. Nails, Claxton Leon	Tulsa
54. Nash, Augusta Council	Boley
55. Phillips, Troy	Duncan
56. Robinson, Edna Mae	Oklahoma City
57. Rundles, Bettye Lou	Muskogee
58. Scott, Eloise Barbara	Tulsa
59. Sells, Billie Jean	Dewey
60. Smith, Evelyn Marie	Chickasha
61. Smith, Yvonne Ethelyn	Tulsa
62. Spagner, Anna Ophelia	Kansas City, Kansas
63. Statum, Zenzeal Lavonne	Seminole
64. Stein, Sarah Lee	Anadarko
65. White, Anna Bell	Henryetta
66. White, James S.	Oklahoma City
67. Webb, Marie Yvonne Willis	Sand Springs
68. Williams, Lloyd Kenneth	Grandfield
69. Williams, Henrietta Lucille	Tulsa
70. Williams, Inez	Boynton
71. Williams, Elesta Delia	Broken Bow
72. Wilburn, Ruthie Lee	Porter
73. Wicks, Marjorie Jannyce	Langston
74. Vaden, Maxine Jessie	Tulsa
75. Vann, Carolyn E.	Tahlequah

STUDENT ROSTER

1943-44

JUNIORS

Name	Town
1. Adams, Marie Joyce	Crescent
2. Arterbery, Althea Jean	Langston
3. Bell, Opal Mae	Tulsa
4. Borens, Alberta Fransetta	Porter
5. Brown, Evelyn	Tulsa
6. Burney, Eloise Ernestine	Boley
7. Carter, Melba La France	Topeka, Kansas
8. Cooley, Cara Winnie	Wagoner
9. Curry, Velah Lois	Pauls Valley
10. Daniels, Beatrice Lillian	Brooksville
11. Davis, Mildred Louise	Tulsa
12. Easley, Charles William	Seminole
13. Edwards, Jewell T.	Oklahoma City
14. Enge, Adelle Ramona	Oklahoma City
15. Evans, Menzola Mentoria	Haskell
16. Gibbs, William Frederick	Wetumka
17. Hall, Eva Deborah	Boley
18. Harmon, Leoma Mae	Luther
19. Harris, Ruby Viola	Langston
20. Hawkins, Rosa Levonne	Texarkana, Texas
21. Hopkins, Mary Elizabeth	Tulsa
22. Houston, Lawrence Larrece	Lawton
23. Humphrey, Vivian Louise	Chandler
24. Hunt, Velaska	Hugo
25. James, Lubertha	Wewoka
26. Johnson, Jerry	Tishomingo
27. Johnson, Willadean Myrtle	Dover
28. Jones, Ethel Ruth	Idabel
29. Jones, Katheryn Taylor	Sand Springs
30. Jordan, Kathryn Nell	Ardmore
31. Lee, Opal V.	Boynton
32. McCary, Ogretta Albertine	Chickasha
33. McLeod, Felicia Louise	Tulsa
34. Mast, Ruby Louise	Oklahoma City
35. Mast, Vernese Maryland	Boley
36. Mayes, Vera	Boley
37. Milsap, Mattie Mae	Coyle
38. Moore, Jane Frances	Langston
39. Owens, Eloise	Sapulpa
40. Parker, Flossie Mae	Dover
41. Penman, Cleola Beatrice	Chicago, Illinois
42. Pope, Naomi B.	Checotah
43. Reece, Thelma Beatrice	Muskogee
44. Rice, Oscar Elliot	Lawton
45. Richmond, Ernestine A.	Wewoka
46. Riley, Geraldine Beatrice	Eufaula
47. Robinson, Ray Louise	Cushing
48. Shepard, Clara Mae	Oklahoma City
49. Simms, Earline C.	Langston
50. Sipuel, Ada Lois	Chickasha
51. Stubbs, Mary Ann	Muskogee
52. Sutton, John Roger	Okmulgee
Batson, Alonzo	Tulsa

53.	Swain, Amelia Louise	Clearview
54.	Swain, Eugenia J.	Vinita
55.	Taylor, Helen	Oklahoma City
56.	Vickers, Mary Bernyce	Guthrie
57.	Williams, Dorothy Lucille	Tulsa
58.	Young, Cassie Mae	Ardmore
59.	Young, Ethel Louise	El Reno

STUDENT ROSTER

1943-44

SENIORS

Name	Town
1. Alexander, Juanita	Tulsa
2. Anderson, Ella Mae	Hoffman
3. Banks, Mildred Marie	Lawton
4. Black, Frances Marie	Hugo
5. Borens, Alberta F.	Porter
6. Boxley, Wilma Earnestine	McAlester
7. Brackeen, Carl Olga	Bristow
8. Brooks, Daphane Agnes	Boynton
9. Cogswell, Willie H.	Okmulgee
10. Combs, Sylvester Lawrence	Bristow
11. Cooke, Amanda Fuhr	Muskogee
12. Counter, Eleane O.	Colbert
13. Crenshaw, Ernestine Marie	Slick
14. Cromer, Oneida Mae	Langston
15. Dalton, Zane Margaret	Oklahoma City
16. Daniels, Connie Mae	Idabel
17. Daniels, Doris Suttle	Coyle
18. Davis, Barbara Ann	Muskogee
19. Dawson, Hugh H. Jr.	Hendrix
20. Douglass, Nellie Inez	Oklahoma City
21. Durley, Neonetta Lois	Wagoner
22. Foreman, Homer Ruth	Okmulgee
23. Gamble, Rubye Jewel	Idabel
24. Gates, Birdie Lee	Luther
25. Hanson, Ruth Leola	Beggs
26. Hickman, Verma	Ardmore
27. Howard, Ida Olivia	Langston
28. Hunter, Juanita Marie	Wewoka
29. Irons, Lillian Lee	Langston
30. Johnson, Cernoria McGowan	Oklahoma City
31. Johnson, Frances Marie	Okmulgee
32. Jones, Christine Theressa	Clarksdale, Mississippi
33. Jones, Thelma	Watonga
34. Keys, Camella	Oklahoma City
35. Keys, Geneva	Oklahoma City
36. King, Franzetta	Grant
37. Love, Rebeker Sarah	Lawton
38. Lyle, Hattie B.	Holdenville
39. McDaniel, Viola Delores	Sand Springs
40. McNeil, Octavia Lavonne	Oklahoma City
41. Masters, Isabell Arch	Oklahoma City
42. Mayes, Vera	Boley

43.	Mitchell, Juanita Louise	Houston, Texas
44.	Nelson, Jimmie L.	Langston
45.	Page, Harriett	Tulsa
46.	Pope, Naomi B.	Checotah
47.	Presley, Bernice Muriel	Eufaula
48.	Richardson, Letha Tarver	Vidalia, Georgia
49.	Robbins, Bernice E.	Wagoner
50.	Robinson, Geneva Jolley	Sapulpa
51.	Rouce, Stenola Marie	Tulsa
52.	Smith, Fern Estellean	Watonga
53.	Smith, Virginia Elizabeth	Ft. Gibson
54.	Swan, Ethel Lee	Crescent
55.	Swain, Lucy Charlene	Vinita
56.	Tinner, Margaret Ellen	Goodnight
57.	Tyeska, Bernice Victoria	Tahlequah
58.	Wilburn, Zenobia Lackey	Ardmore

STUDENT ROSTER

1943-44

UNCLASSIFIED

	Name	Town
1.	Boykins, George	Kansas City, Missouri
2.	Rogers, Henrietta Woods	Langston
3.	Sullivan, Bennie Mae	Tulsa
5.	Williams, L. B.	Dallas, Texas

SPECIALS

1.	Banks, Herman Alfred	Cache
2.	Brown, Gertrude Faye	Wewoka
3.	Cain, Henry Fay	Oklahoma City
4.	Cooper, Reginald David	Langston
5.	Crowell, Henry Wilbur	Sapulpa
6.	Driver, Troy Tricky	Tulsa
7.	Holmes, Abe B.	Lawton
8.	Musgrove, Robert Leo	Tulsa
9.	Perry, Elizabeth Anthony	Langston

GRADUATES

May, 1944

Bachelor of Science in Agriculture

Dawson, Henry Hugh

Bachelor of Arts

Alexander, Juanita	Jefferson, Ruby Moten
Brown, Bennie Oliver	Mitchell, Juanita Louise
Cooke, Amanda Fuhr	Page, Harriett
Crenshaw, Ernestine Marie	Presley, Bernice Muriel
Douglass, Nellie Inez	Rouse, Stenola Marie
Hunter, Juanita Marie	Swain, Lucy Charlene
Johnson, Cernoria McGowan	Kirkpatrick, Selma O.

Bachelor of Science

Dalton, Zane Margaret	Keys, Geneva
Johnson, Frances Marie	Tinner, Margaret Ellen
Jones, Christine Theressa	

Bachelor of Science in Elementary Education

Anderson, Ella Mae	Masters, Isabell Arch
Cromer, Oneida Mae	Robbins, Bernice Erma
Coffey, Birdie Davis	Watson, Enolia Wilson
Farrar, Mattie Elois	Wharton, Annie Kimbrough
Irons, Lillian Leetha	Wickham, Pearl Vivian

Bachelor of Science in Home Economics

Banks, Mildred Marie	Smith, Virginia Elizabeth
Battle, Jimmie Nelson	Smith, Fern Estellean
Durley, Neonetta Lois	Wilburn, Zenobia Lackey
Hickman, Verma	

Bachelor of Science in Industrial Arts

Love, Rebeker Sarah

HONORS

SUMMA CUM LAUDE

Alexander, Juanita

CUM LAUDE

Cooke, Amanda Fuhr	Cromer, Oneida Mae
Love, Rebeker Sarah	Tinner, Margaret Ellen
Johnson, Frances Marie	

WITH DISTINCTION

Douglass, Nellie Inez	Mitchell, Juanita Louise
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COSMETOLOGY CERTIFICATES

Bray, Mayola	Mason, Maxine
Dillon, Willie Belle Golden	Weatherspoon, Christine
Fisher, Lorene	Weaver, Opal
Gilyard, Loyce	

Instructor's Course

Mitchell, Monnie

TRADES CERTIFICATES

Two Year

Electricity

Banks, Herman	Houston, Lawrence
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GRADUATES

Summer, 1944

Bachelor of Arts

Covington, Jessie Estelle
 Fulson, Mildred Juanita
 Nevels, Zebedee James

Richardson, Letha Menta
 Robinson, Geneva Jolley
 Shepard, Clara Mae

Bachelor of Science

Brownlow, Octavia McNeil

Bachelor of Science in Elementary Education

Benningfield, Jessie Evelyn
 Brooks, Lonnie
 Bryant, Maxie Binkley
 Calvin, Zenobia Elnora
 Cook, Jessie Stroman B.
 Crawford, Georgia Lillie Mae
 Davis, Barbara Ann
 Dickson, Henry William
 Droke, Margaret Elizabeth
 Echols, Grace Sypert
 Ellis, Agatha Hampton
 English, Ethel Johnson
 Foreman, Homer Ruth
 Gholston, Zarah Mae
 Girven, Eva Mae
 Guillory, Blanche Walker
 Hanson, Ruth Leola
 Harrison, Mattitia Taylor
 Jackson, Mamie Bradford
 Jackson, Louise Charlotte
 Jones, Addie Searcy

Jones, Clara Cage
 Kelly, Mayme Crowell
 Kennedy, Eunetta Bruner
 King, Nola B.
 McDaniel, Viola Delores
 Mack, Flora Johnson
 Minson, Precious Beatrice
 Moore, Evelyn Guesby
 Rogers, Menett Alene
 Rucker, Bertha Poole
 Scott, Opal Kemp
 Spencer, Vivian Helena
 Taylor, Christine Mae
 Terrell, Theodore Ogden
 Thompson, Lottie Mae Denmon
 Thompson, Minnie V. Redmond
 Trotter, Canara Barkus
 Washington, Lula Mae
 Williams, Della Gray
 Wilson, Daisy Inez
 Winrow, Lillie Mae

Bachelor of Science in Home Economics

Boxley, Wilma Earnestine
 Cogswell, Willie Henry
 Crisp, Lillian Dailey
 Fleming, Vernon Nelson Lee

King, Franzetta
 Thompson, Rosa Lee
 Wofford, Edna Virginia
 Woodard, Dollie Sallie

HONOR STUDENTS**MAGNA CUM LAUDE**

Echols, Grace Sypert

CUM LAUDE

Cogswell, Willie H.

WITH DISTINCTION

Covington, Estelle Jessie

Jones, Addie Searcy
 Dickson, Henry William
 Jackson, Mamie Bradford

Guillory, Blanche Walker
 Fulson, Mildred Juanita
 Jones, Clara Cage

COSMETOLOGY CERTIFICATES

Boyd, Edythe E.

McCray, Vera L.