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THE COLORED AGRICULTURAL AND NORMAL UNIVERSITY

GENERAL BULLETIN

VOL. 41

JULY 1940

No.1

CATALOGUE EDITION



1940-41

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Oklahoma, under the Act of August 24, 1912*

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.

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C A L E N D A R

1940-41

First Semester

September 3 ----- Freshman Week Begins
 September 6, 7 ----- Registration (General)
 September 9 ----- Classes Begin
 October 2 ----- Honor Day
 November 27 ----- Thanksgiving Holiday Begins at 12:00 Noon
 December 2 ----- Class Work Resumed at 8:00 A. M.
 December 20 ----- Christmas Holiday Begins at 5:00 P. M.
 January 2 ----- Class Work Resumed at 8:00 A. M.
 January 9, 10, 13, 14 ----- First Semester Examinations

Second Semester

January 15, 16 ----- Registration for Second Semester
 Jan 17 ----- Classes Begin
 March 12 ----- Honor Day
 May 18 ----- Bacclaureate Exercises
 May 15, 16, 19, 20 ----- Second Semester Examinations
 May 21 ----- Commencement
 May 28, 29 ----- Registration for Summer Session

BOARD OF REGENTS

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 Hon. Cecil E. Crooks, Medford, Okla. ----- Member
 Hon. T. T. Eason, Enid, Okla. ----- Member
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 versity Michigan. Further study University Michigan.
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 B. S., C. A. & N. University.
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 B. A. Iowa University, M. A. Iowa University.
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 B. A., Clark University, LL. B. Howard University, B. D. Gammon
 Theological Seminary, LL. M., Boston University.

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 E. R. Moore, M. S. -- Acting Director of the Division of Agriculture
 B. K. Armstrong, Ph. D. ----- Director of Division of Education
 S. G. Washington, M. A. -- Director of Division of Home Economics
 E. A. Miller, M. S. -- Director of Division of Industrial Education

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 Colorado University.
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 B. S., C. A. & N. University.
 Fannie B. Rogers, B. S. ----- Secretary to Registrar
 B. S., C. A. & N. University.
 Tennie C. Brown, B. S. ----- Clerk
 B. S., C. A. & N. University.

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A. H. Roberts	Clerk
B. H. Heard, B. S.	Clerk
B. S., Wilberforce University.	
*Arzelia Wells, B. S.	Clerk
B. S., C. A. & N. University.	
Lu Lu Stroud	Clerk

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Ophelia S. Emory, B. S.	Secretary for Trade & Industry
B. S., C. A. & N. University.	

HEALTH DEPARTMENT

B. L. C. Jackson, R. N., B. S.	Head Nurse
R. N., Prairie View College, B. S., C. A. & N. University.	
A. B. Jones, R. N.	Assistant Nurse
R. N., Provident Hospital.	
S. C. Thompson, M. D.	School Physician
M. D., Meharry Medical College.	

LIBRARY

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Peggy Brown, B. A.	Circulation Librarian
B. A., C. A. & N. University.	

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B. S., M. S., Fisk University.	
John L. Lampton, B. A.	Assistant Director
B. A., C. A. & N. University.	
Mary E. Trice, B. S.	Secretary
B. S., C. A. & N. University.	

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*R. B. Welch, B. S.	Storeroom & Supplies
B. S., C. A. & N. University.	
**Jimmie Welch	Storeroom & Supplies
A. W. Pruitt, B. S. A.	Farm Foreman
B. S., C. A. & N. University.	

*Indicates leave of absence.

**Indicates part of year.

PROFESSORS

- B. K. Armstrong, B. A., M. A., Ph. D. ----- *Education*
B. A., University of Indiana; M. A., Columbia; Ph. D. University
Michigan.
- C. Dewey Batchlor, B. S., M. A. ----- *English*
B. S., Bishop College; M. A., University of Iowa, Further study,
Colorado University.
- J. H. Forrest, B. A., M. S. ----- *Mathematics*
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- H. Franklin Mells, B. S., M. A. ----- *Music*
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B. S., Pennsylvania State College; M. S. Iowa State College.
- E. R. Moore, B. S., M. S. (Acting) ----- *Agriculture*
B. S., Iowa State; M. S., Iowa State.
- L. G. Moore, B. A., M. A. ----- *Chemistry*
B. A., Southwestern College; M. A., University of Kansas. Further
study, Cornell University.
- J. J. Seabrook, B. A., LL. B., B. D., LL. M. ----- *History*
B. A., Clark University; LL. B. Howard University; B. D.; Gam-
mon Theological Seminary; LL. M., Boston University.
- S.G. Washington, B. S., M. A. ----- *Home Economics*
B. S., West Virginia State; M. A., Columbia University.

ASSISTANT PROFESSORS

- M. C. Allen, B. A., M. A. ----- *Business Education*
B. A., University of Iowa; M. A. University of Iowa.
- N. B. Dillon, B. S. ----- *Vocational Education*
Graduate Tuskegee Institute, B. S. Prairie View State College
in Home Economics; Graduate work. Southern California Uni-
versity and Colorado State College.
- Nick A. Ford, B. A., M. A. ----- *English*
B. A., Benedict College; M. A., University of Iowa.
- Legolian Gude, B. S. ----- *Industrial Arts*
B. S., Tuskegee Institute.
- G. C. Hamilton, B. A., M. S. ----- *Biology*
B. A. University of Kansas; M. S. University of Kansas.
- Mozell C. Hill, B. A., M. A. ----- *Sociology*
B. A., University of Kansas; M. A., University of Kansas.
- D. C. Jones, B. S., M. S. ----- *Agriculture*
B. S., Hampton Institute; M. S., Cornell University.
- Elbert L. Tatum, B. A., M. A. ----- *Political Science*
B. A., University of Illinois; M. A., University of Illinois. Further
study, University of Chicago.
- R. A. Wilson, B. A., M. A. ----- *History*
B. A., University of Iowa; M. A., University of Iowa. Further
study, University of Wisconsin.

INSTRUCTORS

- A. C. Arterberry, B. S. _____ *Laundry Science*
B. S., Prairie View College.
- A. D. Bellegarde, B. S., D. V. M., B. Litt _____ *French*
B. S., Ecole Centraled' Agriculture; D. V. M., Ecole Centraled'
Agriculture; B. Litt., Universite' de Paris (France).
- G. Pope Benjamin, B. S. _____ *Music*
B. S., University of Michigan.
- H. A. Bowen, B. A., M. A. _____ *Education*
B. A., Wilberforce College; M. A., Ohio State.
- E. J. Brown _____ *Art*
University of Kansas, Carnegie Institute of Technology.
- R. D. Brunson, B. S., M. S. _____ *Agriculture*
B. S., South Carolina State College; M. S. Cornell University;
Further study, Cornell University.
- Vivian K. Cameron, B. A., M. A. _____ *Sociology*
B. A., Clark University; M. A., Northwestern University.
- Mildred R. Carney, B. S. _____ *Art*
B. S., Howard University. Futher study, Colorado State Teachers
College.
- S. G. Code _____ *Tailoring*
Diploma in Tailoring, Kansas Vocational Institute.
- Constance R. Davis, B. S. _____ *Physical Education*
B. S., West Virginia State College. Further study, University of
Minn.
- Alice Jeannette Gear, B. A., M. A. _____ *English*
B. A., University of Kansas; M. A. University of Kansas. Further
study, University of Michigan.
- Elizabeth W. Gordon, A. B., M. A. _____ *English*
A. B., Talladega College; M. A., Ohio State University.
- Mineola B. Hardiman, B. S., M. A. _____ *Nursery School*
B. S., Lincoln University; M. A., University of Iowa.
- A. C. Hebert, B. S. in E. E. _____ *Applied Electricity*
B. S. In E. E., Kansas State.
- Pearl E. Henderson, A. B., M. A. _____ *Music*
A. B., Knoxville College; M. A., University of Michigan.
- Otis Isaac _____ *Shoe Making*
Diploma in Shoe Making, Tuskegee Institute.
- Gladys W. Jarrett, B. A., M. A. _____ *German and Spanish*
B. A., Hunter College; M. A. Columbia University.
- *Hobart Jarrett, B. A., M. A. _____ *English*
B. A., Wiley College; M. A., Syracuse University.
- J. H. Jefferson, B. S., M. S. _____ *Chemistry*
B. S., C. A. & N. University; M. S., University of Iowa.
- B. V. Johnson, B. S., M. S. _____ *Agriculture*
B. S., Hampton; M. S., Iowa State.

*Indicates leave of absence.

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- O. H. Johnson, B. S., M. S. ----- *Mathematics & Physics*
 B. S., Kansas State Teachers' College; M. S. University of Iowa. Further study, University of Chicago.
- E. I. Tate Jones, B. S., M. A. ----- *Home Economics*
 B. S., Spelman College; M. A., Columbia University.
- Alonzo Lewis, B. S. ----- *Music*
 B. S., C. A. & N. University. Further study, Northwestern and The State University of Iowa.
- C. C. Mack ----- *Printing*
- J. C. McLaurin, B. A., M. A. ----- *History*
 B. A., C. A. & N. University; B. A., Southwestern; M. A., University of Kansas.
- Robert E. Malone, B. A., M. A. ----- *Agriculture*
 B. A., Hampton Institute; M. A., South Carolina State.
- Helen A. Rouce, B. A., M. A. ----- *Mathematics*
 B. A., Colorado State Teachers' College; M. A., Colorado State Teachers' College.
- Ida M. Rowland, B. A., M. A. ----- *Education*
 B. A., Omaha University; M. A., Omaha University.
- R. F. Short, B. S. ----- *Auto Mechanics*
 B. S., Hampton Institute.
- Gladys Tillman, B. S., M. S. ----- *English*
 B. S., C. A. & N. University; M. S., Northwestern University.
- John C. Tinner, B. S., M. S. ----- *Mathematics*
 B. S., Howard University; M. S., University of Chicago. Further study, University of Chicago.
- *E. K. Weaver, B. S., M. S. ----- *Biology*
 B. S., C. A. & N. University; M. S., University of Iowa.
- E. R. W. Weaver, B. S., M. A. ----- *Education*
 B. S., New York University; M. A., Columbia University.
- Annie W. Wilkerson, A. B., M. A. ----- *Biology*
 A. B., University of Illinois; M. A., University of Chicago.
- **H. E. Miller Yancy, B. A., M. S., M. Mus. ----- *Music*
 B. A., Fisk University; M. S., Northwestern; M. Mus., Northwestern.

UNIVERSITY TRAINING SCHOOL

- S. L. Hargrove, B. A. ----- *Principal*
 B. A., Clark University.
- Z. J. Black, B. S. ----- *Home Economics*
 B. S., C. A. & N. University; Further study, Colorado State Agricultural College.
- Z. Stewart, B. L. I. ----- *English*
 B. L. I., Emerson College of Oratory, Boston.
- C. M. Faver, B. S. ----- *Primary Teacher*
 B. S., Fisk University; Further study, Columbia University.
- Odell Gillyard, B. S. A. ----- *Agriculture*
 B. S. A., C. A. & N. University.
- G. H. Hendricks, B. S. ----- *Science & Mathematics*
 B. S., Praire View College, Further study, University of Chicago.
- Mary E. Trice, B. S. ----- *Commercial Education*
 B. S., C. A. & N. University.

* Indicates on leave of absence.

**Indicates part of year.

FACULTY OF AGRICULTURAL AND HOME ECONOMICS
EXTENSION SERVICE
SUPERVISORS

J. E. Taylor, B. S., Alcorn A. & M. College, District Agent, C. A. & N. University, Langston, Oklahoma.

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Miss Hazel O. King, Diploma, C. A. & N. University; Creek County, Bristow.

Mrs. Beulah M. Hicks, B. S., Tuskegee Institute; Lincoln County, Chandler.

Miss Rosa J. Parker, B. S., Kansas State Teachers' College, Pittsburg; Graduate Work, Kansas State Teachers' College; Logan County, Guthrie.

Miss Evelyn Johnson, B. S., Hampton Institute, Hampton, Virginia; Oklahoma County, Luther.

Miss Alpha Mae Evans, B. S., Langston University; McCurtain County, Idabel.

Miss Willie P. Graves, B. S., Langston University; Seminole County, Wewoka.

FACULTY OF VOCATIONAL AGRICULTURE

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Edward Brown	Wewoka; B. S. A., C. A. & N. University
Lewis E. Burton	Colbert; B. S. A., C. A. & N. University
James R. Clegg	Geary; B. S. A., C. A. & N. University
Clarence C. Copper	Luther; B. S. A., C. A. & N. University
Clifford Ellis	Bristow; B. S. A., C. A. & N. University
Marshall Camble	Watonga; B. S. A., C. A. & N. University
Odell Gilyard	Langston; B. S. A., C. A. & N. University
Marion Guest	Wetumka; B. S. A., C. A. & N. University
Cecil G. Holt	Hennessey; B. S. A., C. A. & N. University
James M. Jenkins	Cushing; B. S. A., C. A. & N. University
Garfield Johnson	Broken Bow; B. S. A., C. A. & N. University
Reedy T. Lewis	Sapulpa; B. S. A., C. A. & N. University
William A. Marshall	Hugo; B. S. A., C. A. & N. University
George McDonald	Muskogee; B. S. A., A. & T. College N. Carolina
Therman H. Moore	McAlester; B. S. A., C. A. & N. University
Willard G. Parker	Perry; B. S. A., C. A. & N. University
Homer B. Price	Berwyn; B. S. A., C. A. & N. University
Sylvester Reid	Wellston; B. S. A., C. A. & N. University
Albert Scott	Idabel; B. S. A., C. A. & N. University
Maceo L. Smith	Boynton; B. S. A., C. A. & N. University
John E. Taylor	Dover; B. S. A., C. A. & N. University
B. M. Word	Clearview; B. S. A., C. A. & N. University
Oliver G. Word	Shawnee; B. S. T., C. A. & N. University

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. Johnson 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 Agriculture 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".

Personell of the Territory Council and Founder—The Council—as constituted when this act was passed, was composed of thirteen members as follows:

Honorable J. W. Johnson, President; Henry S. Johnson, C. M. Brown, E. J. Clark, J. D. De Bois, A. W. Fisher, Wm. Garrison, C. W. Gould, H. S. Hanner, D. 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 a practicing physician in the town of Langston. He was a very able man in his day and wielded much power and influence among both white and Negroes.

In order to carry forth effectively this purpose, the educational program is conducted upon a basis broad enough to give opportunity for a higher degree of citizenship. The work of the college is carried on by several departments, which offer degrees upon completion of requirements as stipulated in this catalogue.

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The administration, recognizing its duty in carrying the college to the people, has included in its organization, extension service in agriculture, and home economics and a department of Extension and Correspondence home study.

Courses may be taken in the last named department at a relatively small cost, thereby enabling men and women to complete their education while pursuing their daily work.

College Publications

Four times during the school year, the University issues a publication entitled the University Bulletin. These are (1) General Catalogue, (2) Summer School Bulletin, (3) Special Bulletin devoted to some research problem under the departments of instruction and (4) the Agricultural and Mechanical Bulletin. The Langston Review, a student organ of opinion, is published monthly.

Military Instruction

A cadet corps is organized and supervised by a trained officer. Military rules and regulations govern the young men who are required to take this training. It is compulsory during the first two years in college and affords credit in Physical Education.

The Standing of the College

The Agricultural and Normal University is recognized by the State Board of Education of the State of Oklahoma, as a standard four-year college, offering the degrees of Bachelor of Arts and Bachelor of Science.

STUDENT ORGANIZATIONS

Y. M. C. A. and Y. W. C. A.

This institution has always maintained and fostered these student Christian organizations on the campus. They are central units of activity and serve very effectively in developing moral stamina and righteous ideals in the lives of the young men and women.

GREEK LETTER ORGANIZATION

Undergraduate chapters of the Kappa Alpha Psi, Omega Psi Phi, Alpha Phi Alpha Fraternities and Iota Phi Lambda, Zeta Phi Beta, Delta Sigma Theta and Alpha Kappa Alpha Sororities are existing here and are assets to the social and scholastic life of the young men and women connected therewith.

CLUBS

The Tri-Zeta, Iota Beta Chi and Philorati Clubs are existing here and serving in the same fine way.

DEPARTMENTAL CLUBS

The "Aggie" and "Mech" Clubs are furnishing fine social and intellectual contacts for the young men in the agricultural and mechanical departments.

Other Clubs on the Campus are: Home Economics (for women); El Circulo Espanol; Debating and Dramatic.

The "Chem" club is a study organization made up of students majoring in chemistry.

EXTRA CURRICULAR ACTIVITIES

To be able to participate in extra curricular activities, a student must maintain a "C" average. A student who does not earn an average of "B" may not participate in more than two extra-curricular activities.

Students Council

The student body is self-governing. 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.

GENERAL CURRICULA REGULATIONS AND REQUIREMENTS

Entrance Requirements

All students graduating from an accredited high school with fifteen units of work as defined by the State Department of Education will be admitted to college standing unconditionally.

No student will be admitted to college standing with less than thirteen high school units.

Students of advanced standing with 90 hours must do at least 6 hours in the major, and 3 hours in the minor field of concentration.

Post Entrance Requirements

1. Every student who is admitted to college as a Freshmen will be required to take a standard intelligence test and standard tests in English and Elementary Mathematics. These tests will be used as a basis for selecting courses for Freshmen year.

Registration Requirements

Every student who plans to matriculate at this institution should have the Principal furnish the office of the Registrar with an official transcript of his (her) high school work. This transcript must be in, on or before September first, prior to entrance.

Registration after prescribed days is subject to a late registration fee of \$2.00.

Required courses must precede elective courses in the order of their requirement.

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

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

Limited requirements may be programmed because (1) outside work, (2) ill health.

Changes in Registration

Registration may be changed within the first two weeks of either semester.

A course dropped with the permission of the advisor and dean within the first two weeks of class work in either semester will not be included in the registration for that semester.

A course dropped after the first two weeks shall be recorded with a failing grade.

All classes are closed after the first two weeks in any semester. 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.

Exceptions to the above regulations may be made only with the approval of the dean.

Faculty Advisors

Freshmen and Sophomores are assigned to advisors. The student is required to submit his choice of study for each semester to his advisor. Beginning with the third year, the student makes choice of the department in which major work is to be done. The head of that department becomes his advisor and this advisor is to be freely consulted on all matters relating to subsequent registration.

Student Load

The normal load shall be 15 semester hours. A student with an average of "B" or better may, upon permission from his advisor and the dean, take not more than 18 academic hours.

Class Attendance and Absence

(a) Classes shall begin on the hour or half-hour, as the case may be. A student who reports to class after that time shall be marked "tardy". Two cases of tardiness, or one tardiness of ten minutes, shall be equivalent to an unexcused absence.

(b) 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.

(c) When a student has unexcused absences in any course, during one semester amounting to one 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.

(d) An absence from a class exercises, 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.

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

Grading System

Grades are A—90 to 100; B—80 to 90; C—70 to 80; D—60 to 70; I—Incomplete; F—Failure; K—Credit for work from other institutions.

Grade Points

One hundred and twenty grade points are required for graduation. They are awarded as follows:

A	-----	3 Grade Points
B	-----	2 Grade Points
C	-----	1 Grade Point
D	-----	0 Grade Point

Scholarship

A Freshmen student who fails in more than one-third of a semester's work will be placed on probation and his hours reduced to such a number as may be determined by his advisor and the Dean of the College. Upper classmen, who after being warned and placed on probation, persist in failing will be asked to withdraw from the institution.

Examinations

Regular examinations designed to test the entire work of the course are held at the close of each semester.

Any announced examination or test must be taken by all students. It is to be remembered that tests or examinations are an essential part of the work of every course.

Absence from test 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.

The Library

The library is housed in two large rooms in Page Hall, on the first floor on the north side. One room is used as a reading room, and the other room contains the book stacks, charging desk, work space, and two tables for faculty members.

Many new books have been added during the past two year, raising the total collection from approximately 5,000 to approximately 8,5000. The collection, consists of books for all departments of instruction, also recreational and reference material. The library has an annual subscription of 154 magazines and 13 newspapers. There are approximately 5,000 unbound magazines, and approximately 3,000 pamphlets. The staff is composed of a librarian, circulation librarian, 10 student assistants.

EXPENSE

Upon entering the student's educational expense for the school year is due. If paid at this time, in full, there is a 10 per cent reduction given on board. If, however, one is not able to pay in full we accept a down payment, commonly known as entrance fees, and the balance is allotted in monthly installments as shown in the following table:

	Expense if Pd. in Adv.	Entrance Fees if Paid in Installments	Monthly Installments
DORMITORY Sanford Hall or The Annex	\$168.70	\$35.50	\$18.00
University Women or University Men	164.20	35.00	17.50
Phyllis Wheatly or Marquess Hall	159.70	34.50	17.00

There are no cash refunds given on fees, board, or room rent beyond thirty days after said payment has been made, also no credit will be given on any account at any time unless a student has official notice that he has been out for at least fifteen days, or two weeks. One week after the opening date for registration, a fee of fifty cents per day is charged for late entrance until a maximum of two dollars is reached. Ten days or more, after the registration period, in addition to the two dollars late fee the student academic load will be cut.

Persons desiring to live in Sanford Hall or University Men Annex are required to pay cash for their room rent promptly each month, or move to another building. No person will be permitted to enter the University unless he has at least his entrance fees.

The necessary expense of a student at Langston are not high. The following estimate will enable the student to form an idea of the yearly expenses:

Fees for the year on campus	_____	\$19.00
Fees for the year off campus	_____	24.00
Board for year	_____	99.00
Room for year (varies according to buildings)	_____	63.00; 59.50; 54.00
Key Deposit (refunded upon leaving school)	_____	.50
Textbooks and supplies (approximately	_____	25.00
TOTAL	_____	\$204.00

Students and parents are urged to prepare a budget of expense. No deductions will be made in the charge for board or room for any fraction of a week, nor for holidays, nor for the opening and closing weeks. All monthly installments are payable at the office of the Financial Secretary on the first day of each month, and if not paid on or before the tenth, a penalty of \$1.00 will be charged, which must be paid with installment.

Parents should send their payments directly to the Financial Office, made payable to C. A. & N. UNIVERSITY. No part of a remittance made payable to C. A. & N. University will be given to a student except upon written request of the person sending the remittance.

Special Fees

Out of State Fee	_____	25.00
Diploma	_____	5.00

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 Dean B. F. Lee, Head of Employment Committee.

All financial obligations to the college must be settled in full before a candidate is placed on the eligibility list for graduation.

REQUIREMENTS FOR GRADUATIONS

The College offers the degrees, B. S. and B. A.

1. For the B. S. Degree a student must choose his major and his minor field of study from the following:

Biology, Chemistry, Physics, Mathematics; and the sub-divisions of the same. A minimum of 60 hours in Science and Mathematics is required, but not more than 40 hours in any one field may be presented.

2. For the B. A. Degree, a student must complete the requirements of a major in one field and a minor in each of two other fields.

3. For the B. S. Degree in Education, a student must take one major and one minor for this teaching field. In addition, he must satisfy the requirements of the State Department of Education.

4. For the B. S. Degree in Education, a student must take one major and one minor for his teaching field. In addition, he must satisfy the requirements of the State Department of Education.

5. For the B. S. Degree in the Specialized fields of Agriculture, Home Economics, Industrial Arts, and Commercial Education, see curricula as outlined.

6. Thirty (30) 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. The last 8 hours must be done in residence.

9. Minimum hours for graduation, 124, including Physical Education.

10. Work not to exceed thirty hours may be completed by Correspondence or Extension.

11. Students who major in Fine Arts are exempted from the Natural Science and Mathematics requirements.

12. At least forty-five per cent (45%) of the hours presented for graduation must be work on the Senior Level (Courses numbered 300 or 400)

13. Thirty-six weeks of residence work with not less than thirty semester hours of credit are required on all degrees.

Note: The curricula are so arranged as to satisfy State requirements in the elementary and secondary teaching fields.

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.

Notes (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.

COURSE OF STUDY

BACHELOR OF SCIENCE IN AGRICULTURE

FRESHMAN YEAR

<i>First Semester</i>			<i>Hrs.</i>	<i>Second Semester</i>			<i>Hrs.</i>
Sci.	101	Gen. Chem	3	Sci.	102	Gen. Chem.	3
M.L.	101	Gram. & Comp.	3	M.L.	102	Gram. & Comp.	3
Ag.	101	Major Crops	2	Ag.	102	Forage and Fiber	
Ag.	109	Soil Cons.	2			Crops	3
		or		Ag.	109	Soil Cons.	2
Ag.	161	Farm Shop	2			or	
Ag.	131	Breeds & Types	3	Ag.	162	162 Farm Shop	2
Ag.	200	Ag. Math.	2	Ag.	132	Breeds, Types and	
P.E.	101	Phy. Ed.	1			Selection	2
				Ag.	164	Stat. and Auto	
						Eng.	2
				P.E.	102	Phy. Ed.	1

SOPHOMORE

Ag.	211	Lands. Gard.	2	Ag.	212	Veg Gard.	2
Ag.	231	Gen. Poultry	3	Ag.	232	Farm Dairying	2
Ag.	233	Dairy Cattle	3	Sci.	251	Botany	4
Ag.	261	Dom. Eng.	2	Ag.	262	Farm Mech.	2
Sci.	311A	Chem. 3-2)	5	Ag.	263	Fst'd. Eng.	2
P.E.	201	Phy. Ed.	1	Sci.	322A	Chem	3
				P.E.	202	Phy. Ed.	1

JUNIOR YEAR

CROPS AND SOILS MAJORS

<i>First Semester</i>			<i>Hrs.</i>	<i>Second Semester</i>			<i>Hrs.</i>
Ag.	301	Soils	3	Ag.	302	Soils Mg'nt.	2
Ag.	305	Plant Phys.	2	Ag.	308	Plant Path.	2
Ag.	311	Fruit Growing	3	Ag.	312	Nursery Practice	3
Ag.	331	Animal Nutrition	3	Ag.	330B	Insect and pest	
Ag.	350	Bacteriology	3			Cont.	3
Ag.	370	Farm Credits	2			Electives	5

SENIOR YEAR

Ag.	401	Comm. Grad. &		Ag.	402	Soil Reclam.	2
		Judging	3	Ag.	412	Comm. Breeding	2
Ag.	411	Fertilizers & Man.	3	Ag.	416	Plant Breeding	2
Ag.	473	Farm Mang.	2	Ag.	472	Marketing	2
Ag.	475	Farm Records	2	Ag.	474	Farm Mang.	2
		Electives	4			Electives	3

ANIMAL HUSBANDRY MAJORS

JUNIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>		
Ag.	301	Soils -----	3	Ag.	302	Soils Mg'nt. -----	2
Ag.	331	Animal Nutrition --	3	Ag.	330B	Insects & pest	
Sci.	350	Bacteriology -----	3			Cont. -----	3
Ag.	370	Farm Credit -----	2	Ag.	336	Incubation & Brood-	
Ag.	454	Genetics -----	2			ing -----	3
		Electives -----	3	Ag.	338	Farm Meats -----	2
						Electives -----	7

SENIOR YEAR

Ag.	431	Adv. Livestock		Ag.	432	Sheep Prod. -----	2
		Judging -----	3	Ag.	434	Dairy Cattle Prod.	2
Ag.	437	Swine Prod. -----	2	Ag.	436	Horse Prod. -----	2
Ag.	439	Animal Breed. -----	2	Ag.	472	Marketing -----	2
Ag.	473	Farm Mang. -----	2	Ag.	474	Farm Mang. -----	2
Ag.	475	Farm Records ----	2			Electives -----	4
		Electives -----	2				

BASIC COURSE IN AGRICULTURAL EDUCATION
 COMPLETION OF FIRST TWO YEARS IN THE AGRICULTURAL
 OUTLINE AND JUNIOR AND SENIOR YEARS AS FOLLOWS:

JUNIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>		
Ag.	301	Soils -----	3	Sci.	157	Hygiene -----	2
Ag.	331	Nutrition -----	3	Ag.	302	Soils Mang. -----	2
Ag.	370	Farm Cr. & Ag.		Ag.	330B	Insect & Pest Con-	
		Adjustments ----	2			trol -----	2
Sci.	372	Rural Soc. -----	2			Electives -----	9
		Electives -----	6				

SENIOR YEAR

Ag.	473	Farm Mang. -----	2	Ag.	472	Mkt. Farm Prod. --	2
Ag.	475	Farm Records &		Ag.	474	Farm Mang. -----	2
		Accounts -----	2			Electives -----	11
		Electives -----	10				

DIFFERENTIATED COURSES IN AGRICULTURAL EDUCATION
 VOCATIONAL AGRICULTURAL EDUCATION
 (Should Elect Photography)

JUNIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>		
Ed.	102	Edu. Psychology --	3	Ag.	353	Special Methods --	2
Ed.	201S	School Law -----	1	Ag.		Conf. Leadership --	2
Ag.	352	Voc. Ed. -----	2	Ed.	222	Adol. Psy. -----	2

SENIOR YEAR

M.L.	317	Journalism -----	2	Ag.	454	Prac. Teaching ---	4
Ag.	451	Course Org. -----	2				
Ag.	453	Sup. Prac. -----	3				

B. S. IN AGRICULTURE AND ONE YEAR ELEMENTARY
CERTIFICATE

Art 100	Art	2	F.Art 181	Sight Singing	2
Ed. 102	Ed. Psy.	3	Soc. 307	Okla. Hist.	2
Ed. 122	Rural School Prob.	2	Soc. 240	American Gov.	3
Ed. 201	Gen. Methods and School Law	2	Ed. 406	App. Teaching in Elem. School	4
Ed. 202	Specific Methods	2			
Soc. 202	American Hist.	4			

PUBLIC SCHOOL MUSIC INSTRUMENTAL
FRESHMAN YEAR

	<i>First Semester</i>	<i>Hrs.</i>		<i>Second Semester</i>	<i>Hrs.</i>
Music 1T1	Theory	4		1st Minor Instru.	0
Music 1S1	Sightsinging	2	Music 1T2	Theory	4
Music 1P1	Piano	0	Music 1V1	Voice	2
	Major Instru.	0	Music 1P2	Piano	0
M.L. 101	Gram. & Comp.	3	M.L. 102	Gram. & Comp.	3
*Ag. 105	Gen. Ag.	2		Major Instru. 1	0
Soc. 101	Mod. Europe	3	*Soc. 207	Okla. Hist.	2
P.E. 101	Floorwork	1	P.E. 102	Floorwork	1
			Soc. 102	Cont. Europe	3

SOPHOMORE YEAR

Music 2P1	Piano	2	Music 2P2	Piano	2
	Major Instru. 2	2		Major Instru. 3	2
M.L. 223	Eng. Lit.	3	Soc. 240	Amer. Gov't.	3
Soc. 202	Amer. Hist.	4	M.L. 224	Eng. Lit.	3
Ed. 101	Gen. Psy.	3	Ed. 102	Ed. Psy.	3
	1st Minor Instru.	0		1st Minor Instru. 2	2
P.E. 201	Adv. Floorwork	1	P.E. 201	Adv. Floorwork	1

JUNIOR YEAR

	Major Instru. 4	4		Major Instru. 5	4
Music 1H1	Music Hist.	2	Music 1H2	Music Hist.	2
	1st Minor Instru.	2	Ed. 392	App. Teaching	2
M.L. 151	Foreign Lang.	3	M.L. 152	Foreign Lang.	3
Ed. 201	Gen. Methods	2	Ed. 222	Adol. Psy.	2
Math. 230	Statistics	3	Ed. 311	Measurements	2
	2nd Minor Instru.	0		2nd Minor Instru. 1	0

SENIOR YEAR

	2nd Minor Instru.	2		2nd Minor Instru 3	2
Music 1I1	Instrumentation	2	Music 1I2	Instrumentation	2
Music	Elective	3	Music	Senior Recital	2
M.L. 251	Foreign Lang.	3	M.L. 252	Foreign Lang.	3
Ed. 492	App. Teaching	2	Ed. 493	App. Teaching	2
Ed. 450	Prin. Sec. Ed.	2	Ed. 314	Phil. of Hist.	4
	Elective	2			

*Note:—If taken in High School and is acceptable to the College, Music Appreciation 1A1 & 1A2 may substituted.

PUBLIC SCHOOL MUSIC—VOCAL

FRESHMAN YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Music 1T1	Theory	4	Music 1T2	Theory	4
Music 1S1	Sightsinging	2	Music 1S2	Sightsinging	2
Music 1P1	Piano	0	Music 1P2	Piano	2
*Ag. 105	Gen. Ag.	2	*Soc. 207	Okla. Hist.	2
M.L. 101	Gram. & Comp.	3	M.L. 102	Gram. & Comp.	2
Soc. 101	Mod. Europe	3	Soc. 102	Cont. Europe	2
P.E. 101	Floorwork	1	P.E. 102	Floorwork	1

SOPHOMORE YEAR

Music 2T1	Theory	2	Music 1V1	Voice	2
Music 2P1	Piano	2	Music 2P2	Piano	2
Music	Elective	2	Music	Elective	2
Soc. 202	Amer. Hist.	4	Soc. 240	Amer. Gov't.	3
M.L. 223	Eng. Lit.	3	M.L. 224	Eng. Lit.	3
Ed. 101	Gen. Psy.	3	Ed. 102	Ed. Psy.	3
P.E. 201	Adv. Floorwork	1	P.E. 202	Adv. Floorwork	1

JUNIOR YEAR

Music 1V2	Voice	2	Music 2V1	Voice	2
Music 1H1	Music Hist.	2	Music 1H2	Music Hist.	2
Music	Elective	3	Music	Elective	3
M.L. 151	Foreign Lang.	3	M.L. 152	Foreign Lang.	3
Ed. 201	Gen. Meth.	2	Ed. 222	Adol. Psy.	2
Math. 230	Statistics	3	Ed. 311	Measurements	2
			Ed. 392	App. Teaching	2

SENIOR YEAR

Music 2V2	Voice	2	Music 3V1	Voice	4
Music 3P1	Piano	4	Music	Senior Recital	2
M.L. 251	Foreign Lang.	3	M.L. 252	Foreign Lang.	3
Ed. 492	App. Teaching	2	Ed. 314	Phil. of Ed.	4
Ed. 450	Prin. Sec. Ed.	2	Ed. 493	App. Teaching	2
	Elective	2			

*Note:—If taken in High School and is acceptable to the College, Music Appreciation 1A1 & 1A2 may substituted.

PUBLIC SCHOOL MUSIC—PIANO, VOICE & VIOLIN

FRESHMAN YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Music 1T1	Theory	4	Music 1T2	Theory	4
Music 1S1	Sightsing	2	Music 1V1	Voice	2
Music 1P1	Piano	0	Music 1P2	Piano	0
*Ag. 105	Gen. Ag.	2	*Soc. 207	Okla. Hist.	2
M.L. 101	Gram. & Comp.	3	M.L. 102	Gram. & Comp.	3
Music 1A1	Music App.	3	Music 1A2	Music App.	3
P.E. 101	Floorwork	1		(elective)	
			P.E. 102	Floorwork	1

SOPHOMORE YEAR

Music 2T1	Theory	2	Music 2T2	Theory	4
Music 2P1	Piano	2	Music 2P2	Piano	2
Soc. 202	Amer. Hist.	4	Soc. 240	Amer. Gov't.	3
M.L. 223	Eng. Lit.	3	M.L. 224	Eng. Lit.	3
Ed. 101	Gen. Psy.	3	Ed. 102	Ed. Psy.	3
P.E. 201	Adv. Floorwork	1	P.E. 202	Adv. Floorwork	1

JUNIOR YEAR

Music 3P1	Piano	4	Music 3P2	Piano	4
Music 1H1	Music Hist.	2	Music 1H2	Music Hist.	2
Music	(Elective)	2	Ed. 392	App. Teaching	2
M.L. 151	Foreign Lang.	3	M.L. 152	Foreign Lang.	3
Ed. 201	Gen. Meth.	2	Ed. 222	Adol. Psy.	2
Math. 230	Statistics	3	Music	Violin 3	2
Music	Violin 2	0	Ed. 311	Measurements	2

SENIOR YEAR

Music 4P1	Piano	4	Music 4P2	Piano	4
Music 1V2	Voice	2	Music	Senior Recital	2
Music	Violin 4	4	Ed. 314	Phil. of Ed.	4
Ed. 492	App. Teaching	2	Ed. 493	App. Teaching	2
M.L. 251	Foreign Lang.	3	M.L. 252	Foreign Lang.	3
Ed. 450	Prin. Sec. Ed.	2			

*Note:—If taken in High School, and acceptable to this College, Modern and Contemporary European Histories, Soc. 101 102, may be substituted.

BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION

FRESHMAN YEAR

<i>First Semester</i>			<i>Hrs.</i>	<i>Second Semester</i>			<i>Hrs.</i>
M.L. 101	Composition	3	M.L. 102	Composition	3		
Soc. 101	Mod. Eu. Hist.	3	Soc. 102	Contm. Europe	3		
Sci. 151	Biology	4	Sci. 151	Biology	4		
Art 101	Prin of Art	2	Sci. 157	Hygiene	2		
F.A. 101	Sight Singing	2	Math. 102	Arithmetic	2		
P.E. 101	Floor Work	1	P.E. 102	Floor Work	1		

SOPHOMORE YEAR

M.L. 203	Types of Lit.	3	M.L. 204	Eng. Comp.	3
Soc. 202	American Hist.	3	Soc. 240	American Gov't.	3
Ed. 101	Gen. Psy.	3	Ed. 102	Ed. Psy.	3
Soc. 271	Introd. to Soc.	3	Soc. 372	Rural Soc.	3
F.A. Music		2	Sci. Electives		4
P.E. 201	Adv. Floor Work	1	P.E. 202	Adv. Floor Work	1

JUNIOR YEAR

Math. 230	Statistics	3	Ed. 311	Measurements	2
Ed. 201	Gen. Methods	2	M.L. 426	Negro Lit.	3
M.L. 228	Children's Lit.	2	Ed.	Phil. of Ed.	4
Soc. 304	Negro History	3	Ed. 202	Spec. Methods	2
	Electives	6		Electives	5

SENIOR YEAR

Ed. 305	Methods in Reading and English	3	Ed. 406	Prac. Teaching	6
Ed. 306	Methods in Soc. Sci.	2	Ed. 308	Child Psy.	2
Ed. 307	Methods in Arith.	2	Ed. 122	Ed. Sociology	2
Ed. 303	Nature Study	2		Problems of the Rural School	2
	Electives	7		Electives	4

REGULATION FOR DEGREE

Bachelor of Arts or Bachelor of Science

FRESHMAN YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
M.L. 101	Gram. & Comp.	3	M.L. 102	Gram. & Comp.	3
Math. 101	College Algebra	3	Math. 106	Trig.	4
Sci.	Natural Science	3	Sci.	Natural Science	3
Soc. 101	Mod. Eur. Hist.	3	Soc. 102	Mod. Eur. Hist.	3
M.L.	Foreign Lang.	3	M.L.	Foreign Lang.	3

SOPHOMORE YEAR

M.L. 223	English Lit.	3	M.L. 224	Eng. Lit.	3
Ed. 101	Gen. Psy.	3	Soc. 251	Introd. to Phil.	3
M.L.	Foreign Lang.	3	M.L.	Foreign Lang.	3
	Elective	3		Electives	3

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.

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

FRESHMAN YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
M.L. 101	Gram. & Comp.	3	M.L. 102	Gram. & 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. 171	Mech. Drawing	2
Ind. 114	Metal Work	2	Sci. 101	Gen. Chem.	3
Ag. 105	Gen. Ag.	2	Ind. 111	Or its Equivalent	2
P.E. 101	Phy. Ed.	1	P.E. 102	Phy. Ed.	1

SOPHOMORE YEAR

M.L. 201	Adv. Gram.	3	M.L. 212	Public Speaking	3
Ind. 203	Care of Equip.	2	Ed. 102	Ed. Psy.	3
Soc. 202	American Hist.	4	Soc. 204	American Gov't	3
Sci. 221	Gen. Phys.	3	Sci. 222	Gen. Phys.	3
Ind. 201	103 or its equivalent	2	Ind. 202	103 or its equivalent	2
Ind. 271	Work Drawing	2		(Cabinet Making)	
P.E. 201	Phy. Ed	1	Ind. 272	Descriptive Geom.	2
			P.E. 202	Phy. Ed.	1

JUNIOR YEAR

Ed. 201	Gen. Methods	2	Ed. 222	Adol. Psy.	2
Math. 230	Statistics	3	Ed. 450	Measurements	3
Ind. 302	Wood Finishing	2	Ind. 303	Frame Work or its equivalent	2
Ind. 373	Machine Drawing	2	Ind. 373	Ind. Arts Design	2
Ind. 391	Practical Elec.	2	Soc. 207	Okla. History	2
T.&I. 373	Hist. & Phil of Voc. Ed.	4		Electives	4
Ind. 403	Prod. Basis	4	Ind. 404	Prod. Basis	4
	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
Ind. 471	Arch. Drawing	2	B.A. 252	Cost Accounting	3
Soc. 221	Economics	3		Electives	4
	Electives	4			

B. S. IN INDUSTRIAL ENGINEERING

FRESHMAN YEAR

	<i>First Semester</i>	<i>Hrs.</i>		<i>Second Semester</i>	<i>Hrs.</i>
Math. 101	College Algebra	3	Math. 106	Trig.	3
Sci. 101	Gen. Chem.	3	Sci. 102	Gen. Chem.	3
Ind. 171	Mech. Drawing	2	M.S. 102	English	3
M.L. 101	English	3	Eng. 115	Surveying	2
Ind. 101	Bench Work	2	Eng. 116	Engineering Lect.	2
Ind. 114	Metal Work	2	Ind. 172	Mech. Drawing	2
P.E. 101	Phy. Ed.	1	P.E. 102	Phy. Ed.	1

SOPHOMORE YEAR

Math. 204	Analytics	4	Math 305	Calculus	4
Sci. 221	Gen. Phys.	3	Sci. 222	Physics	3
Ind. 201	Cabinet making & Pattern making	2	Ind. 215	Forge & heat Treatment	2
Eng. 271	Metalurgy of Iron and Steel	3	Ind. 202	Cabinet & Pattern Making	2
Ind. 271	Working Drawing	2	M.L. 212	Public Speaking	3
M.L. 201	Gram. & Comp.	3	Ind. 272	Descriptive Geom.	2
P.E. 201	Phy. Ed.	1	P.E. 202	Phy. Ed.	1

JUNIOR YEAR

Eng. 305	Time and Motion Study	2	Ind. 391	Pract. Elect	2
Eng. 215	I. E. Mfg. Pro.	2	Eng. 306	Ind. Organization	2
Eng. 302	Steam Power Plants	3	Eng. 303	Steam Power Plants	4
Soc. 221	Economics	3	Soc. 325	Econ. Hist. of U. S.	3
Ind. 371	Machine Design	2	Eng. 217	Mech. Statics	3
	Electives	4	Ind. 373	Ind. Art Design	2
				Electives	6

SENIOR YEAR

B.A. 252	Elem. Acct.	3	B.A. 252	Cost Acct.	3
Eng. 407	Factory Costs	2	Eng. 402	Scientific Manage-	
Ind. 471	Archt. Drawing ..	2		ment	2
Eng. 406	Production Plan-		Eng. 416	Factory Planning ..	3
	ning	3	Ind. 472	Archt. Drawing ..	2
Eng. 404	Tool Design	2	Eng. 417	Heating & Ventila-	
	Electives	6		tion	3
				Electives	4

TECHNICAL TRADES

(2 Year Course)

The Curricula in technical training is 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.

First Year

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Trade 104A	Selected Trade	2	Trade 104B	Selected Trade	2
Trade 114A	Tech. Comp.	2	Trade 114B	Tech. Comp.	2
Trade 124A	Shop Math.	2	Trade 124B	Acct. Tradesman ..	2
Trade 144A	Mech. Drawing	2	Trade 114B	Mech. Drawing	2
P.E. 101	Phy. Ed.	1	P.E. 102	Phy. Ed.	1

Second Year

Trade 208A	Selected Trade	2	Trade 208B	Selected Trade	2
Trade 134	Tool Care	2	Trade 228	Trade Admin.	2
Trade 268	Trade Science	2	Trade 248B	Public Speaking ...	2
Trade 248A	Eng. Gram.	2	Trade 391	Practical Elect. ..	2
P.E. 201	Phy. Ed.	1	P.E. 202	Phy. Ed.	1

VOCATIONAL CURRICULUM

JUNIOR YEAR

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Ed. 201	Gen. Methods	2	Ed. 222	Adol. Psy.	2
Math. 230	Statistics	3	Ed. 311	Measurements ...	3
Ind. 302	Wood Finishing ..	2	Ind. 303	Frame Work	2
Ind. 371	Machine Drawing ..	2	Ind. 373	Ind. Art Design ..	2
Eng. 391	Practical Electri-		Soc. 207	Okla. History	2
	city	2	T.&I. 496	Trade & Job	
T&I 393	Hist. & Phil of Voc Ed.	3		Analysis	3
	Electives	4		Electives	4

SENIOR YEAR

T.&I.	394	Meth. of Teaching or 394A, Meth. & Materials for teach- ing H. H. Service	3	T.&I.	498	& 498A Obs & Prac- tice Teaching	4
				T.&I.	499	Prod. Basis	6
Ed.	450	Prin. of Sec. Ed.	2	Ind.	472	Arch. Drawing	2
T.&I.	497	or 497A Productive Basis	6	T.&I.	495	Voc. Guidance	2
B.A.	251	Elem. Acct.	3	Soc.	222	Economics	2
Ind.	471	Arch. Drawing	2			Electives	2
Soc.	221	Economics	2				

BACHELOR OF SCIENCE IN HOME ECONOMICS

FRESHMAN YEAR

		<i>First Semester</i>	<i>Hrs.</i>			<i>Second Semester</i>	<i>Hrs.</i>
M.L.	101	Gram. & Comp.	3	M.L.	102	Gram. & Comp.	3
Sci.	101	Gen. Chem.	3	Sci.	102	Gen. Chem.	3
H.E.	100	Orientation	2	H.E.	102	Art, Color & Design	2
Art	101	Prin. of Art	2	H.E.	108	Clothing	3
H.E.	105	Textiles	2	Ed.	102	Ed. Psy.	3
Soc.	202	American Hist.	4	Ag.	105	Gen. Ag.	2
P.E.	101	Floorwork	16	P.E.	102	Floorwork	16

SOPHOMORE YEAR

M.L.	201	Adv. Gram.	3	M.L.	212	Public Speaking	3
Sci.	311	Organic Chem.	3	Soc.	240	American Gov't	3
H.E.	231	Foods	4	H.E.	232	Foods	4
Ed.	201	Gen. Methods	2	H.E.	104	Costume Design	2
H.E.	233	Household Ec.	2	Ed.	222	Adol. Psy.	2
H.E.	353	Health of the Family	2	Soc.	207	Okla. Hist.	2
P.E.	201	Adv. Floorwork	16	P.E.	202	Adv. Floorwork	16

JUNIOR YEAR

H.E.	354	House Plan. & Fur.	3	H.E.	331	Nutrition	3
H.E.	352	House Care & Equip and Physics	4	Soc.	372	Rural Soc.	3
Ed.	314	Phil. of Ed.	4	Ed.	311	Ed. Measurements	2
Sci.	450	Bacteriology	3	H.E.	302	Children's Clothing	2
Soc.	303	Negro History	3	Ed.	450	Prin. of Sec. Ed.	2
						Electives	4
			17				16

SENIOR YEAR

H.E.	483	Child Care & Train.	3	H.E.	474a-b	Obs. App. Tch.	6
H.E.	371	Methods	2	H.E.	482	Home Mgr. & Res.	5
H.E.	401	Costume Tailoring	3			Electives	4
H.E.	481	Family Relationship	2				15
		Electives	6				
			16				

SENIOR OPTIONS

H.E. 402	Adv. Dressmaking	4	H.E. 485	Nur. School Part.	3
H.E. 403	Fine Cookery	2	H.E. 490	Adult Homemaking	2
H.E. 404	Newer Aspects of Foods and Cookery	2	H.E. 406	Prob. in Pre-school Education	2
H.E. 405	Child Nutrition	2	H.E. 407	Obs. in Nur. School	2
			H.E. 486	Child Study and Parent Ed.	3

BACHELOR OF SCIENCE IN ART

FRESHMAN YEAR

<i>First Semester</i>			<i>Hrs.</i>	<i>Second Semester</i>			<i>Hrs.</i>
M.L. 101	Gram & Comp.	3	M.L. 102	Gram. & Comp.	3		
Soc. 101	Modern Europe	3	Soc. 102	Contm. Europe	3		
Ed. 101	Gen. Psy.	3	Ed. 102	Ed. Psy.	3		
Math. 101	College Algebra	3	Math. 106	Trig.	3		
Sci. 101	Natural Sci.	3	Sci. 102	Natural Science	3		

SOPHOMORE YEAR

Art Majors may select 6 hours each semester from art courses; required work should be chosen first.

M.L. 223	Eng. Lit.	3	M.L. 224	Eng. Lit.	3
Ed. 201	Gen. Methods	2	Ed. 222	Adol. Psy.	2
Soc. 202	American Hist.	4	Soc. 240	American Gov't.	3
Ag. 105	Gen. Ag.	2	Soc. 207	Okla. History	2
Art 101	Prin. of Art	2	Art 102	Prin. of Art	2
Art 107	Perspective	2	Art 202	Cast Drawing	2
Art 201	Still Life	2	Art 207	Design	2
Art 205	Design	2	Art 211	Poster	2
Art 209	Poster	2	Art 213	Anatomy	2

JUNIOR YEAR

Ed. 392	App. Teaching	2	Ed. App. Teaching	2	
M.L.	Foreign Language	3	M.L.	Foreign Languages	3
Math. 230	Statistics	3	Ed. 311	Ed. Measurements	2
Art 301	Water Color	2	Art 303	Water Color	2
Art 305	Composition	2	Art 310	Modeling	2
Art 309	Pottery	2	Art 311	Applied Art	2
Art 313	Landscape	2		Electives	2
	Electives	2			

SENIOR YEAR

Ed. 450	Prin. of Sec. Ed.	2	Ed. 314	Phil. of Ed.	4
M.L.	Foreign Language	3	Ed. 493	App. Teaching	2
Art 405	Hist. of Art	2		Foreign Language	3
	Art Electives	11	M.L.	Foreign Languages	3
			Art 407	Hist. of Art	2
				Art Electives	3

BACHELOR OF SCIENCE IN COMMERCIAL EDUCATION

FRESHMAN YEAR

<i>First Semester</i>			<i>Hrs.</i>	<i>Second Semester</i>			<i>Hrs.</i>
M.L.	101	English Comp.	3	M.L.	102	English Comp.	3
Sci.		Natural Sci.	3	Sci.		Natural Sci.	3
Soc.	101	Modern Europe ..	3	Soc.	102	Cont. Europe	3
Math.	101	College Algebra ..	3	Math.	106	Trig.	3
Sci.	157	Hygiene	2	Ag.	105	Gen. Ag.	2
P.E.	101	Phy Ed.	1	P.E.	102	Phy. Ed.	1

SOPHOMORE YEAR

Ed.	101	Gen. Psy.	3	M.L.	212	Public Speaking ..	3
Soc.	221	Prin. of Ec.	3	Soc.	222	Economics	3
Soc.	202	Amer. Hist.	3	Ed.	102	Edu. Psy.	3
M.L.	201	Adv. Gram.	3	Soc.	240	Amer. Gov't.	3
P.E.	201	Adv. Floorwork ..	1	B.A.	221	Business Math. ...	3
		Electives	2	P.E.	202	Adv. Floorwork ...	1

JUNIOR YEAR

M.L.		Foreign Lang.	3	M.L.		Foreign Lang.	3
Math.	230	Statistics	3	Ed.	222	Adol. Psy.	2
B.A.	351	Elem. Acct.	3	Ed.	292	App. Teaching ..	2
B.A.	101	Elem. Typing	2	Ed.	311	Measurements	2
B.A.	111	Elem. Shorthand ..	2	M.A.	102	Elem. Typing	2
Ed.	201	Gen. Methods	2	B.A.	352	Elem. Acct.	3
				B.A.	112	Elem. Shorthand ..	2

SENIOR YEAR

B.A.	451	Adv. Acct.	3	Ed.	314	Phil. of Edu.	4
Ed.	492	App. Teaching	2	Ed.	493	App. Teaching ..	2
Ed.	450	Prin. of Sec. Ed. ..	2	B.A.	411	Business Law	3
B.A.	311	Business Org.	3	B.A.		Office Training ..	1
B.A.	313	Investments	2	B.A.	212	Adv. Shorthand ..	2
B.A.	201	Adv. Typing	2			Electives	4
		Electives	2				

REGULATIONS AND MINIMUM REQUIREMENTS FOR TEACHERS' CERTIFICATES

(Effective September 1, 1936)

SECTION 1: General

1. To be eligible to receive a state certificate to teach, a person shall be at least twenty years of age.
2. All applicants shall present evidence that they are graduates of approved high schools or that they have had equivalent training.
3. Work completed in standard, accredited colleges and universities only, will be accepted as a basis for teachers' certificates.
4. Applicants shall present evidence that they are of sound physical health and of good moral character.
5. Credit in extension and correspondence work not to exceed one-eighth of the professional or one-fourth of the academic work may count toward satisfying the original requirements or the requirements for renewal of state certificates; provided, that not more than four semester hours of work shall be completed by correspondence or extension in any one semester.
6. The requirements in Oklahoma history, Oklahoma school law, and agriculture may be waived for one year in the case of an applicant who has otherwise completed all of the courses required for a state certificate in an institution outside of Oklahoma. (See Paragraph 3, Section 3.)
7. A registration fee of two dollars shall be paid by each applicant who has not been in residence in Oklahoma for twelve months immediately preceding the date of his application. The fee in the form of a certified check or a money order made payable to the State Board of Education shall accompany the application.

SECTION 2: How to Apply for Teachers' Certificates

1. An applicant who has completed work in a college or university outside the State of Oklahoma should write the Secretary of the State Board of Education, Oklahoma City, for proper application blanks and directions.
2. An applicant who has completed the requirements for a state certificate in a college or a university in Oklahoma should write the registrar of that institution for the proper blank and instructions.

SECTION 3: Requirements for the Renewal of Teacher' Certificates

1. Certificates issued prior to September 1, 1936, may be renewed in accordance with regulations in effect at the time the certificates were issued.
2. A one-year teacher's certificate issued subsequent to September 1, 1936, upon work done in an Oklahoma institution, may be renewed annually upon the holder's application, showing successful teaching and in the completion of eight semester hours of work during the calendar year the certificate has been in effect, which work must include courses required for a life certificate in the field in which the one-year certificate has been granted until the requirements for the life certificate have been met.

3. A one-year teacher's certificate issued subsequent to September 1, 1936, up on work done in a college or university outside of the State of Oklahoma may be renewed upon the holder's application showing a year's successful teaching in Oklahoma and the completion of eight hours of work in an Oklahoma college or university, which teaching and work must have been done subsequent to the issuance of the original one-year certificate; provided, that the residence requirement may be temporarily waived for students who are pursuing a regular program leading toward a degree in an accredited institution out of the State, and such requirement may be permanently waived in the case of an applicant who holds a master's degree; provided further, however that a one-year certificate issued upon credits earned in an institution out of the state shall not be renewed until the holder has made passing grades of not less than 70 per cent in Oklahoma school law, Oklahoma history, and agriculture, in a state examination or has completed prescribed courses in these subjects in a senior college or university of Oklahoma, unless the applicant has completed not less than one-half unit of high school work in these subjects.

SECTION 4: How to Apply for the Renewal of a Teacher's Certificate

The holder of a teacher's certificate who desires to apply for its renewal should write the Secretary of the State Board of Education for a renewal blank. No request for renewal should be filed earlier than ninety days before the expiration of the original certificate that is to be renewed.

An applicant for any type of certificate must have as many grade points as he has semester hours of credit.

SECTION 5: Requirements for Elementary Certificates (Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life elementary certificates:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Childhood -----	0	2
Philosophy of Education and (or) Hist. of Ed. -----	0	2
General Methods and Management, Including Okla- homa School Law -----	2	2
Specific Methods of Teaching Elementary Subjects ----	2	2
Educational Measurements -----	0	2
Apprentice Teaching in Elementary Schools -----	4	6
Rural School Problems -----	2	0
Electives -----	0	2
TOTAL -----	12	20
*COURSE IN ACADEMIC SUBJECTS:		
American History -----	4	4
American Government -----	2	2
Other Social Science Courses -----	4	6

English	6	8
Physical and Biological Science	6	8
Public School Music	2	4
Health Education	2	4
Art	2	4
Okla. Hist. (or 1/2 unit or 70% in state examination)	2	2
Agriculture (or 1/2 unit or 70% in state examination)	2	2
Minimum in Academic Subjects	60	90
Minimum in All Subjects	76	124
MINIMUM DEGREE	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hour of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 6: High School Certificates to Teach Agriculture
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Agriculture:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Okla- homa School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20
COURSE IN TEACHING FIELD AND RELATED FIELDS:		
Agriculture	10	16
Work in two or more of the following fields:		
Chemistry, Biology, Physics, Physical Geogra- phy, Geology, Astronomy	6	8
TOTAL	16	24
OTHER REQUIRED COURSES:		
English	6	8
American History and Government	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 7: High School Certificates to Teach Art

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Art.

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Principles of Drawing -----	2	2
Perspective Drawing -----	2	2
Water Color Painting -----	2	2
Poster -----	2	2
Design -----	2	2
Pottery or Modeling -----	0	2
Landscape -----	2	2
History of Art -----	0	2
Pictorial Composition -----	0	2
Electives (by Department) -----	4	6
TOTAL -----	16	24
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination) -----	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE REQUIRED -----	None	A.B., B.S., or B.F.A.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 8: High School Certificates to Teach Biology

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Biology:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Zoology -----	4	6
Botany -----	4	6
Physiology -----	4	4
Work in two or more of the following subjects:		
Physics, Chemistry, Physical Geography, Geology, Agriculture, Astronomy -----	4	8
TOTAL -----	16	24
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination) -----	2	2
Agriculture (or 1/2 unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 9: High School Certificates to Teach Chemistry

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Chemistry:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20

COURSES IN TEACHING FIELD:

Chemistry	10	16
Work in two or more of the following fields:		
Biology, Physics, Agriculture, Physical Geography, Geology, Astronomy	6	8
TOTAL	16	24

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 10: High School Certificates to Teach Civics, Economics, Sociology, and Problems in Democracy

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Civics, Economics, Sociology, and Problems in Democracy:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Okla- homa School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20

COURSES IN TEACHING FIELD:

Economics	4	4
Government	4	4
Sociology	4	4
Work in two or more of the following fields:		
American History, Ancient and Medieval History, Modern European History	4	12
TOTAL	16	24

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination)	2	2

Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 11: High School Certificates to Teach Commercial Subjects

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Commercial Subjects:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
TOTAL -----	10	20
Apprentice Teaching in Secondary Schools -----	4	6
COURSES IN TEACHING FIELD:		
Typewriting -----	4	6
Shorthand -----	4	6
Accounting -----	4	6
Work in two or more of the following fields:		
Business Law, Business Arithmetic, Business Eng- lish -----	4	6
TOTAL -----	16	24
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or ½ unit or 70% in state examination) -----	2	2
Agriculture (or ½ unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 12: High School Certificates to Teach English
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach English:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Grammar and Composition -----	6	6
English Literature -----	6	10
Speech, Arts, Journalism, Dramatics -----	0	8
TOTAL -----	16	30
American Literature -----	4	6
Work in two or more of the following fields:		
OTHER REQUIRED COURSES:		
American History and Government -----	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination) -----	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 13: High School Certificates to Teach French
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach French:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2

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Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20
COURSES IN TEACHING FIELD:		
French	20	28
(High school entrance credit shall count at the rate of two semester hours for each high school unit, provided it is not repeated in college for credit and that it does not exceed six semester hours.)		
OTHER REQUIRED COURSES:		
English	6	8
American History and Government	6	6
Okla. Hist. (or ½ unit or 70% in state examination)	2	2
Agriculture (or ½ unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 14: High School Certificates to Teach General Science
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach General Science:

(Numbers opposite courses represent semester hours)

	One-Year	Life
*COURSES IN EDUCATION:		
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Oklahoma School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20
COURSES IN TEACHING FIELD:		
Chemistry	4	4
Physics	4	4
Biology	6	6
Physiology	2	2
Work in two or more of the following fields:		
Physical Geography, Geology, Agriculture, Astronomy	0	8
TOTAL	16	24

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 15: High School Certificates to Teach Industrial Geography

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Industrial Geography:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Oklahoma School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20
COURSES IN TEACHING FIELD:		
Industrial Geography	4	8
Work in two or more of the following fields:		
Economics: Sociology, History, Government, Agriculture	12	16
TOTAL	16	24

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 16: High School Certificates to Teach Physical Geography
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Physical Geography:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Physical Geography -----	4	8
Work in two or more of the following fields:		
Chemistry, Biology, Physics, Geology, Astronomy, Agriculture -----	12	16
TOTAL -----	16	24
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or ½ unit or 70% in state examination) -----	2	2
Agriculture (or ½ unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 17: High School Certificates to Teach German
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach German:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2

Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20
COURSES IN TEACHING FIELD:		
German	20	28
(High School entrance credits count at the rate of two semester hours for each high school unit, provided it is not repeated in college for credit and that it does not exceed six semester hours.)		
OTHER REQUIRED COURSES:		
English	6	8
American History and Government	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 18: High School Certificates to Teach History
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach History:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Okla- homa School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20
COURSES IN TEACHING FIELD:		
American History	6	6
Ancient and Medieval History	4	4
Modern History	4	6
Oklahoma History	2	2
Work in two or more of the following fields:		
Economics, Sociology and Government	0	6
TOTAL	16	24

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination)	2	2
Agriculture (or 1/2 unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 19: High School Certificates to Teach Home Economics

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Home Economics:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Okla- homa School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20
COURSES IN TEACHING FIELD:		
Food and Nutrition	4	6
Clothing and Textiles	4	4
House Care and Equipment	2	2
Home Nursing and First Aid	2	2
Costume Design	2	2
Home Furnishing	2	2
Home Management	0	4
Child Development	2	2
Electives in Related Fields	2	12
TOTAL	20	36
MINIMUM DEGREE	None	B.S. in

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination)	2	2
Agriculture (or 1/2 unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B.or B.S. Home Ec.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 20: High School Certificates to Teach Industrial Arts
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Industrial Arts:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Bench Woodwork -----	4	4
Cabinet Making -----	4	4
Metal Work -----	0	2
Wood Finishing -----	1	1
Industrial Arts Design -----	0	2
Care of Shop Equipment -----	1	1
Work Drawings -----	2	2
Machine Drawing -----	0	2
Architectural Drawing -----	0	2
Electives in Drawing -----	0	4
Electives in Shop Work -----	2	6
TOTAL -----	16	30
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or ½ unit or 70% in state examination) -----	2	2
Agriculture (or ½ unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

SECTION 21: High School Certificates to Teach Journalism

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Journalism:

(See Section 3 for Renewal Requirements)

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Journalism -----	6	12
Work in two or more of the following fields:		
English Grammar and Composition, American Literature, English Literature, Dramatics -----	10	12
TOTAL -----	16	24
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination) -----	2	2
Agriculture (or 1/2 unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 22: Highschool Certificates to teach Latin

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be Latin:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2

Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20

COURSES IN TEACHING FIELD:

Latin	20	28
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(High School entrance credit shall count at the rate of two semester hours for each high school unit, provided it is not repeated in college for credit and that it does not exceed six semester hours.)

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 23: High School Certificates to Teach Mathematics

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Mathematics:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Okla- homa School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20

COURSES IN TEACHING FIELD:

Algebra	6	6
Geometry	2	6
Trigonometry	3	3
Electives in Mathematics, which may include additional work in the three foregoing subjects or any other in the field of mathematics	6	8
TOTAL	16	24

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination)	2	2
Agriculture (or 1/2 unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hour of the required apprentice teaching in the secondary field.

**High School credit in intermediate algebra and solid geometry may be counted respectively, for 3 semester and 2 semester hours; provided, that the total number of semester hours of mathematics completed in college shall be not less than 16 for the one-year certificate and 24 for the life certificate.

(See Section 3 for Renewal Requirements)

SECTION 24: High School Certificates to Teach Physical Education

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Physical Education:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Oklahoma School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20

COURSES IN TEACHING FIELD:

Activity or Participation Courses	8	10
Organization and Administration	0	8
Individual Gymnastics	0	2
First Aid	1	1
Boy are Girl Leadership	2	2
Anatomy	2	2
Theory of Activities(Including Tteory of Intramurals)	4	4
Electives	0	1

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination)	2	2
Agriculture (or 1/2 unit or 70% in state examination)	2	2

Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 25: High School Certificates to Teach Physics
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Physics:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Okla- homa School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice teaching in Secondary Schools	4	6
TOTAL	10	20
COURSES IN TEACHING FIELD:		
Physics	10	16
Work in two or more of the following fields:		
Chemistry, Biology, Agriculture, Physical Geogra- phy, Geology, Astronomy	6	8
TOTAL	16	24
OTHER REQUIRED COURSES:		
English	6	8
American History and Government	6	6
Okla. Hist. (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Agriculture (or $\frac{1}{2}$ unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 26. High School Certificates to Teach Piano, Voice, Violin
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Music:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Applied Music -----	10	32
Harmony -----	4	10
History of Music -----	4	4
Sight Singing -----	2	2
Counterpoint -----	0	4
Electives (not in major) -----	4	8
TOTAL -----	24	60
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination) -----	2	2
Agriculture (or 1/2 unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 27: High School Certificates to Teach Public School Music
(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Music:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4

General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20

COURSES IN TEACHING FIELD:

Harmony -----	4	8
History of Music -----	2	4
Sight Singing -----	2	2
Instrumentation -----	2	4
Instruments: Major -----	6	12
1st Minor -----	0	4
2nd Minor -----	0	4
Voice -----	2	2
Piano -----	2	4
Electives (not in Major or Minor) -----	4	4
TOTAL -----	24	28

OTHER REQUIRED COURSES:

English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or ½ unit or 70% in state examination) -----	2	2
Agriculture (or ½ unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B.or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 28: High School Certificates to Teach Public School Music (Vocal)

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Music:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20

COURSES IN TEACHING FIELD:

Harmony	4	10
History of Music	4	4
Sight Singing	2	4
Voice	6	12
Piano	4	8
Electives	4	10
TOTAL	24	48

OTHER REQUIRED COURSES:

English	6	8
American History and Government	6	6
Okla. Hist. (or 1/2 unit or 70% in state examination)	2	2
Agriculture (or 1/2 unit or 70% in state examination)	2	2
Minimum in Academic Subjects	76	90
Minimum in All Subjects	90	124
MINIMUM DEGREE	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 29: High School Certificates to Teach Speech Arts

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 2 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Speech Arts:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology	2	2
Psychology of Adolescence	2	2
Philosophy of Education and (or) Hist. of Ed.	0	4
General Methods and Management, Including Okla- homa School Law	2	2
Educational Measurements	0	2
Principles of Secondary Education	0	2
Apprentice Teaching in Secondary Schools	4	6
TOTAL	10	20

COURSES IN TEACHING FIELD:

Speech Arts	6	12
Work in two or more of the following subjects:		
English, Grammar and Composition, American Literature, English Literature, Dramatics	10	12
TOTAL	16	24

SECTION 30: High School Certificates to Teach Spanish

(Valid in Grades 7 to 12, inclusive)

In addition to the general requirements set out in Section 1 of these regulations, the completion of the following courses shall be required, respectively, for one-year and life certificates to teach Spanish:

(Numbers opposite courses represent semester hours)

*COURSES IN EDUCATION:	One-Year	Life
Educational Psychology -----	2	2
Psychology of Adolescence -----	2	2
Philosophy of Education and (or) Hist. of Ed. -----	0	4
General Methods and Management, Including Okla- homa School Law -----	2	2
Educational Measurements -----	0	2
Principles of Secondary Education -----	0	2
Apprentice Teaching in Secondary Schools -----	4	6
TOTAL -----	10	20
COURSES IN TEACHING FIELD:		
Spanish -----	20	28
(High School entrance credit shall count at the rate of two semester hours for each high school unit, provided it is not repeated in college for credit and that it does not exceed six semester hours).		
OTHER REQUIRED COURSES:		
English -----	6	8
American History and Government -----	6	6
Okla. Hist. (or ½ unit or 70% in state examination) -----	2	2
Agriculture (or ½ unit or 70% in state examination) -----	2	2
Minimum in Academic Subjects -----	76	90
Minimum in All Subjects -----	90	124
MINIMUM DEGREE -----	None	A.B. or B.S.

*NOTE: Not more than six semester hours of the required courses in education shall be completed during the first two years of the college course. Two semester hours of work in apprentice teaching in the elementary field may be substituted for two semester hours of the required apprentice teaching in the secondary field.

(See Section 3 for Renewal Requirements)

SECTION 31: Certificates to Teach Kindergarten

Applicants who have completed all requirements for the Life Elementary Certificate, and including or in addition, the following courses, may be issued Five-year Nursery-Kindergarten-Primary Certificates:

	<i>Sem. Hrs.</i>
Division A: NURSERY—KINDERGARTEN—PRIMARY	
COURSE OR COURSES -----	16
(Theory, curriculum, content, literature, related problems such as: music, play, industrial arts, manuscript writing, nature study, beginning reading—Covering the activities found often in courses designated "First and second year kindergarten and primary work.)	
Division B: APPRENTICE TEACHING -----	8
(Observation, participation, and actual practice in child care, direction and training.)	

Division C:CHILD WELFARE 6

(A consideration of the physical, social, and mental—intellectual and emotional—care, growth and development, including nature, nutrition, measurements, and mental and social hygiene.)

Division D:PARENT-CHILD RELATIONSHIPS 2

(Factors and problems involved in the education of parents and their young children.)

1. Six hours of Division A may be met by the following three courses demanded for certification of elementary teachers:

 Educational Psychology 2

 General Methods and Management 2

2. Four hours of Division B may be met by Apprentice Teaching in the elementary grades (4 hours).

3. Three hours of Division C may be met by Psychology of Childhood.

SECTION 32: Certificates to Teach Vocational Agriculture

A teacher of Agriculture in a high school department participating in Federal or State funds for vocational education shall, before assuming his duties, meet the general requirements set out in Section 1 of these regulations, and shall have the following qualifications and be approved by the State Supervisor of Agricultural Education.

(1) *Experience*—He shall have had at least two years of practical farm experience. He must not be less than 21 nor more than 40 years of age at the beginning of his service.

(2) *Attitude*—He shall know and appreciate the conditions of farm life and be in accord with the vocational agriculture program.

(3) *Education*—He shall be a graduate of a standard four-year course of college grade from an agricultural college or from some other accredited institution of equal rank.

The college course shall include not less than 43 semester hours of technical or practical agriculture, not less than 24 semester hours in sciences related to agriculture, and not less than 8 semester hours of farm shop, 4 of which must be in methods and include work other than farm carpentry.

The course is to include courses in each of the following subjects with approximately the distribution given:

(Numbers opposite courses represent semester hours)

1. Technical Agriculture 46

 1. Animal Husbandry (nutrition required) 12

 2. Agronomy (soils required) 13

 3. Agricultural Economics (Market & farm management) 5

 4. Dairying 8

 5. Horticulture 3

6. Poultry	5
II. Science related to Agricultural	25
1. Botany	8
2. Chemistry	13
3. Entomology	4
III. Farm Shop	9
1. Agricultural Engineering	4
2. Farm Shop	5

(4) *Professional Training*—To be eligible to teach vocational agriculture, an applicant must have a certificate issued by the State Board of Education. A transcript of credits showing the applicant has met the educational requirements to teach vocational agriculture approved by the Department of Agricultural Education at the Oklahoma Agricultural and Mechanical College, and by the State Supervisor of Agricultural Education, shall be filed with the State Board of Education before a certificate is issued.

This training shall include not less than 16 semester hours of agricultural education and education, 12 of which shall be in agricultural education. The agricultural education shall be taken in a department approved for the work by the Federal Board for Vocational Education and shall include 6 semester hours in methods of teaching agriculture and 4 semester hours in observation and directed teaching of vocational agriculture.

(5) *Personality and General Qualifications*—Because of his duties with high school students, farmers, and other groups, the teacher of vocational agriculture must possess qualities of adaptation and leadership. He must have the ability to express his ideas in correct clearcut English. He must not have physical handicaps which interfere in any way with his work as a teacher of vocational agriculture.

(6) *Re-employment*—Teachers and others who have taught vocational agriculture and then engaged in other work must meet the requirements in force at the time they re-enter the service.

SECTION 33: Certificates to Teach Vocational Home Economics

Requirements for life certificates to teach Home Economics in high schools receiving state and federal vocational funds shall, in addition to the requirements set out in Section 1 of these regulations, be as follows:

	<i>Sem. Hrs.</i>
Food Preparation and Service	6-8
Nutrition and Dietetics	3
(Organic Chemistry prerequisite or parallel).	
Clothing and Textiles	6-8
Costume Design	2

House Planning and Furnishing	3
Home Economics and Management	2
House Care and Equipment	2
Family Relationships	2
Home Nursing	2
Home Management House	3
Child Development, Participate in Nursery School	3
Elective	2-4
Total	40
<i>Other Fields:</i>	
English	9-12
Art	4-6
Social Science	10-12
Natural Science	8-10

Including Chemistry and Biological Science.

Professional Courses: A minimum of 8 hours in Home Economics Education. Students teaching and methods of teaching shall include observation and teaching in vocational high school classes, related art, nursery schools and adult classes.

Applicants shall meet the Home Economics Education requirements of colleges and universities approved by the U. S. Office of Education, and be approved by the State Supervisor of Home Economics Education. Further requisites include:

Two years of practical home experience and active participation in home life.

Wholesome attitudes toward home and family life.

Qualities of leadership.

Continued professional improvement, with study in own field at least every three years and participation in state conferences.

Present requirements will be met before re-employment.

(7) *Professional Improvement*—Six weeks on alternate summers or three weeks each summer may, with the approval of the local board and the State Supervisor, be allowed teachers of vocational agriculture for professional improvement, provided such training is secured at institutions approved by the Federal Board for Vocational Education for teacher training in vocational agriculture, and provided that the courses taken are for improving the efficiency of the teacher in vocational agricultural education.

(8) *Certification*—A certificate to teach vocational agriculture will be issued by the State board of Education to an applicant, qualified under the State plans and meeting the State requirements for a High School certificate upon the filing of an approved transcript of credits.

DESCRIPTION OF COURSES

DIVISIONAL ORGANIZATION

Courses offered by the college are grouped in four divisions of related departments as follows:

(1) Applied Arts and Sciences: Including the departments of Agriculture, Home Economics, and Industrial.

(2) Languages, Literature and Fine Arts: Including the departments of Art, English, French, Music, Spanish.

(3) Natural Sciences and Mathematics: Including the departments of Astronomy, Biology, Chemistry, Geology, Mathematics and Physics.

(4) Social Sciences: Including the departments of Business Administration, Economics, Education, History, Physical Education, Philosophy, Political Science, Sociology.

Courses 100-109 are intended primarily for freshmen, and sophomores, 300-399, 400-499, primarily for juniors and seniors. Juniors and seniors who take courses 100 and 200 without the approval of the Dean and the head of the department will have the requirements for graduation increased by the number of hours taken in these courses.

DIVISION OF AGRICULTURE

The objectives of the Department of Agriculture are three-fold: (1) To prepare farmers, (2) To prepare teachers of Agricultural Education and Extension Agents, (3) To prepare for further college work.

The candidates for graduation must have completed a minimum of 124 semester hours which must include the designated required courses and six months of practical experience.

The major fields are as follows:

1. Crops and Soils
2. Animal Husbandry
3. Agricultural Education
4. Special Agricultural Short Course

The first two years of work are the same for all students in the Division. Each student should select his major field during the Sophomore year. He should consult the Director of the Division of Agriculture and the professor in charge of the field of work he desires to enter not later than the beginning of the second semester. Twenty-six hours of technical agriculture are required for Agricultural Education majors as a Junior and thirty-five hours as a Senior.

Teacher trainees must have completed all fundamental courses and submitted a signed release from all instructors in whose classes they are enrolled including those of the Agricultural Division before leaving to practice.

PRACTICAL EXPERIENCE

Students may elect credit in their Senior year for practical experience done during designated periods under the supervision and with the approval of their designated Professor and acceptable by the Director of the Division; provided a written report is submitted and accepted as satisfactory.

Opportunity is provided for students to participate in the work of the farm to attain practical experience as a part of our teaching set-up. Students take such training at their own risk as to injuries and the school assumes no liability for accidents.

Degrees may be withheld pending satisfaction of the experience requirement.

SPECIAL AGRICULTURAL SHORT COURSE

This course is designed particularly for students who can spend only a short time in school. It shall be of a most practical nature and a maximum amount of time shall be spent around the barns and farm with a minimum of time being spent in the classroom. It is a non-collegiate course covering twelve consecutive months. Students must be over 18 years of age and able to read and write legibly. Students completing this course should be very much improved as farmers, herdsman and farm managers.

A certificate will be offered for students who satisfy these requirements.

DEPARTMENT OF CROPS AND SOILS

- | | | | |
|-----|-----|---|----------------------|
| Ag. | 101 | <i>Major Crops</i> | <i>Credit 2 Hrs.</i> |
| | | A study of the characteristics, adaptation, preparation of seed bed, culture, judging and use of crops. Recitation and laboratory, 6 hours. | |
| Ag. | 102 | <i>Forage Crops</i> | <i>Credit 3 Hrs.</i> |
| | | Principles of crop production for forage, grades, standards and judging. Varieties and production of forage for hay, pasture and silage. Recitation and laboratory 6 hours. | |
| Ag. | 105 | <i>General Agriculture</i> | <i>Credit 2 Hrs.</i> |
| | | For teachers and prospective teachers in the State of Oklahoma. Two recitation periods per week. | |
| Ag. | 109 | <i>Soil Conservation</i> | <i>Credit 3 Hrs.</i> |
| | | Soil erosion, soil conservation practices. Recitation and laboratory, 6 hours. | |
| Ag. | 211 | <i>Landscape Gardening</i> | <i>Credit 2 Hrs.</i> |
| | | A course designed for the purpose of training students to plan, plant and improve home grounds, school grounds, rural church grounds and farm forestry. Recitation and laboratory 5 hours per week. | |
| Ag. | 212 | <i>Vegetable Gardening</i> | <i>Credit 3 Hrs.</i> |
| | | Home and commercial vegetable growing including hot bed and cold frame work. Recitation and laboratory 5 hours per week. | |
| Ag. | 301 | <i>Soils</i> | <i>Credit 3 Hrs.</i> |
| | | A general introductory course dealing with the origin, classification, analysis and physical properties of soil. | |

- Recitation and laboratory 5 hours. Prerequisite, Chemistry 311A.
- Ag. 302 *Soil Management* Credit 2 Hrs.
Practical soils management including use of manures and fertilizers, tillage, rotation and adaptation of farming to soil types. Recitation and laboratory 5 hours per week. Prerequisite Ag. 301.
- Ag. 305 *Plant Physiology* Credit 2 Hrs.
A study of plants, plant organs, their functions and behavior as related to studies in plant care and management under various conditions in agricultural practices. Recitation and laboratory 3 hours. Prerequisite Sci. 251.
- Ag. 308 *Plant Pathology* Credit 2 Hrs.
The nature, cause and control of diseases in farm, garden and orchard plants. Two lectures and four Lab. periods per week. Prerequisite, Ag. 305.
- Ag. 311 *Fruit Growing* Credit 3 Hrs.
This course consists of studies leading to a working knowledge of the principles underlying successful fruit production and orchard technique. The subject matter includes a survey of fruit growing climatic factors, location, transportation, management and small fruit production. Recitation and laboratory 3 hours. Prerequisite, Sci. 251.
- Ag. 312 *Nursery Practice* Credit 3 Hrs.
Lecture and field work in plant propagation, grafts, buds, layers, cuttings, seed, etc. Trips to nursery, and practice in college nursery. Recitation and Lab. four hours. Prerequisite, Sci. 251, Ag. 311.
- Ag. 330B *Insect Pest Control* Credit 3 Hrs.
Insect pests of crops and livestock. Recitation and laboratory 4 hours.
- Ag. 350 *Agricultural Bacteriology* Credit 3 Hrs.
This course is designed to meet the needs of agricultural and home economics students. Lecture 2 hours per week. Laboratory 2 hours per week.
- Ag. 401 *Commercial Grading and Judging Crops* Credit 4 Hrs.
Practice in judging cotton, hay, potatoes and other crops according to Federal standards and the use of score cards. Recitation and laboratory 6 hours per week. Prerequisites, Ag. 107, 108.
- Ag. 402 *Soil Reclamation* Credit 2 Hrs.
A study of the effects of soil erosion, control measures, reclaiming agencies and soil preservation. Prerequisite, Ag. 302. Recitation and laboratory 4 hours.
- Ag. 411 *Fertilizers and Manures* Credit 3 Hrs.
Commercial fertilizers, manures, and green manure crops, computation, buying, mixing, applications and fertility problems in connection with the use of fertilizers and manures. Recitation and laboratory 5 hours per week. Prerequisites, Ag. 202, Sci. 311A.
- Ag. 412 *Commercial Seed Production* Credit 2 Hrs.
An analysis of methods of seed production, certification

- germination, storage and marketing. Prerequisite, Ag. 401.
- Ag. 416 *Plant Breeding* Credit 2 Hrs.
The development of plants through practices in crossing both artificial and natural and the selection of plants with desired characteristics for breeding, also studies in the transmission of heredity factors and characteristics. Recitation and laboratory 3 hours. Prerequisite, Sci. 454.

- Ag. 400C *Practical Experience* Credit 2:5 Hrs.

DEPARTMENT OF ANIMAL HUSBANDRY

- Ag. 131 *Breeds and Types* Credit 3 Hrs.
Types and breeds of swine. Breed selection for production and show. Recitation and laboratory 5 hours per week.
- Ag. 132 *Breeds and Types* Credit 2 Hrs.
Breeds and types of horses, mules and beef cattle. Recitation and laboratory 3 hours.
- Ag. 231 *General Poultry* Credit 3 Hrs.
Breeds, selection, housing, sanitation, disease and pest control. Recitation and laboratory 5 hours.
- Ag. 232 *Farm Dairying* Credit 2 Hrs.
The production and care of the dairy and dairy products. Recitation and laboratory, 3 hours.
- Ag. 233 *Dairy Cattle* Credit 2 Hrs.
Types, breeds and selection of dairy cattle. Recitation and laboratory 3 hours.
- Ag. 331 *Animal Nutrition* Credit 3 Hrs.
The digestion and metabolism processes in the animal body. Recitation 3 hours. Prerequisite, Sci. 322A.
- Ag. 336 *Incubation and Brooding* Credit 3 Hrs.
An advanced course including incubation, anatomy, physiology and the development of the chick, brooding, colonizing. Recitation and laboratory 4 hours.
- Ag. 338 *Farm Meats* Credit 2 Hrs.
The slaughter and care of farm meats. Recitation 1 hour, laboratory 3 hours.
- Ag. 431 *Advanced Livestock Judging* Credit 3 Hrs.
A study of breeds, types and show ring judging practices. Recitation and laboratory 5 hours per week. Prerequisites, Ag. 131, 132, 233.
- Ag. 432 *Sheep Production* Credit 2 Hrs.
Methods of growing and management of sheep. Prerequisite, Ag. 331. Recitation and laboratory, 3 hours.
- Ag. 434 *Dairy Cattle Management* Credit 2 Hrs.
Management of the dairy herd. Prerequisite, Ag. 231, 233, 331. Recitation and laboratory 3 hours.
- Ag. 436 *Horse Production* Credit 2 Hrs.
Care and management of work and purebred horses. Recitation and Lab. 3 hours. Prerequisite, Ag. 331.
- Ag. 437 *Swine Production* Credit 2 Hrs.
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. Recitation and laboratory 3 hours. Prerequisite, Ag. 331.
- Ag. 439 *Animal Breeding* Credit 2 Hrs.
Lectures and recitation on heredity, variation and correlation as applied to livestock breeding. Recitation 2 hours. Prerequisite, Genetics.
- Ag. 400D *Practical Experience* Credit 2;5 Hrs.

DEPARTMENT OF AGRICULTURAL EDUCATION

- Ag. 352 *Vocational Education* Credit 2 Hrs.
The aims of education and the problems and scope of agricultural education. Prerequisite, 26 hours of technical agriculture. Recitation 2 hours.
- Ag. 353 *Special Methods* Credit 2 Hrs.
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. 354 *Conference Leadership* Credit 2 Hrs.
The problems and process of leadership. The conference procedure for adults classes. Open to all Juniors and Senior. Recitation 4 hours.
- Ag. 451 *Course Organization* Credit 2 Hrs.
Organization of the course of study for vocational agriculture from the farm survey and other data. Prerequisites, 352, 353, and 35 hours of technical agriculture. Recitation and laboratory, 4 hours.
- Ag. 453 *Supervised Farm Practice* Credit 3 Hrs.
Important types of problems and scope of supervised farm practices. Prerequisites, 351 and 352. Recitation 3 hours, laboratory 1 hour.
- Ag. 454 *Practice Teaching* Credit 4 Hrs.
Teaching and teaching procedures for all day, day unit and evening classes in vocational agriculture. Recitation and laboratory 7 hours.
- Ag. 456 *Teaching Farm Mechanics* Credit 2 Hrs.
Organizing the course in farm mechanics. Conducting the class and supervised practices. Recitation and laboratory 3 hours.
- Ag. 400E *Practical Experience* Credit 2;5 Hrs.
- Ag. 162 *Farm Shop Work* Credit 2 Hrs.
Continuation of Ag. 161.
- Ag. 164 *Stationary and Automotive Engines* Credit 2 Hrs.
Laboratory and field practice in the adjustment and operation of engines, cars, trucks, and tractors. Recitation and laboratory 4 hours.

AGRICULTURAL ENGINEERING

- Ag. 161 *Farm Shop Work* Credit 2 Hrs.
Combination woodwork, carpentry and forging. Recitation and laboratory 4 hours.

- Ag. 261 *Domestic Engineering* Credit 2 Hrs.
A study of sewage, lighting, heating and refrigerating systems for farm and home. Recitation and laboratory 4 hours.
- Ag. 262 *Farm Machinery* Credit 3 Hrs.
Care and operation of farm machinery. Recitation and laboratory 4 hours.
- Ag. 264 *Farmstead Engineering* Credit 2 Hrs.
The arrangement and design of farm buildings with respect to each other and a study of the materials available for construction. Recitation and laboratory 5 hours.

AGRICULTURAL ECONOMICS

- Ag. 371 *Farm Credit and Agricultural Adjustment* Credit 2 Hrs.
Study of the farm credit structure, organization and operation of the Federal Credit system. Study of the problem and function of Agricultural Adjustment. For Juniors and Seniors. Recitation and laboratory 4 hours.
- Ag. 472 *Marketing Farm Products* Credit 2 Hrs.
The structure of Agricultural marketing, shipping, selling and regulating agencies in the functions of marketing. Recitation and laboratory 4 hours.
- Ag. 473 *Farm Management* Credit 2 Hrs.
Economic factors involved in successful farm organization, cost accounting and farm records. The course of a study of principles and their operation on a few selected farms. Recitation and laboratory 5 hours. Prerequisite, Senior standing.
- Ag. 474 *Farm Management* Credit 2 Hrs.
A study of the organization and operation of selected farms. Recitation and laboratory 5 hours. Prerequisite, Senior standing.
- Ag. 475 *Farm Records and Accounts* Credit 2 Hrs.
Cost accounts in the operation of a farm business. The types of records to keep. Analysis of farm business by means of records. Inventory analysis and final statements. Recitation and laboratory 4 hours. Prerequisite, Senior standing.

DEPARTMENT OF INDUSTRIAL ARTS

The Trades and Industrial department has a three-fold purpose to perform at Langston and for this reason you will find listed Courses 1, 2, and 3. 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 experience in a particular field.

Course 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.

MANUAL TRAINING

- | | | | |
|-------------|-----|--|----------------------|
| <i>Ind.</i> | 101 | <i>Bench Work</i>
Required of all Industrial Education Students. Elementary hand woodworking, up to and including the dado joint. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 102 | <i>Bench Work</i>
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. Prerequisite, Ind. 101. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 103 | <i>Wood Turning</i>
Required of all Industrial Education students. This is beginning course in wood turning. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 201 | <i>Cabinet Making</i>
Required of all Industrial students. A beginning course in machine woodworking, including production work and individual projects, Prerequisite, 102 or its equivalent. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 202 | <i>Cabinet Making</i>
A continuation of 201, in which each student must build one or more creditable piece of furniture. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 203 | <i>Care of Equipment</i>
Must be taken with 202. The student is taught to file saws of all sorts, and the care of the machine equipment. | <i>Credit 1 Hr.</i> |
| <i>Ind.</i> | 204 | <i>Carpentry</i>
Practice in rafter cutting and elementary house carpentry, such as building garages, play houses, etc. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 205 | <i>Woodturning & Pattern Making (Elective)</i>
This course is for the purpose of making wood forms for metal work. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 301 | <i>Industrial History</i>
This course deals with the stages of development in industry and its present trends. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 302 | <i>Wood Finishing</i>
A study of various finishes and their composition, including a study of woods. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 305 | <i>Upholstering (Elective)</i>
A study of upholstery materials and project practice. | <i>Credit 2 Hrs.</i> |
| <i>Ind.</i> | 401 | <i>Industrial Methods</i>
Methods of teaching and organization of the subject matter. | <i>Credit 2 Hrs.</i> |

- Ind.* 403 *Shop Work on Productive Basis* *Credit 2 Hrs.*
This is an attempt to keep pace with market competition.
- Ind.* 404 *Shop work on Prod. Basis (Elective)* *Credit 2 Hrs.*
Continuation of Course 403.
- Ind.* 405 *Advance Furniture Making (Elective)* *Credit 2 Hrs.*
Practice in woodwork in advance of the requirements of the course.

PRINTING

- Ind.* 151 *Fundamentals of Printing* *Credit 2 Hrs.*
Learning type cases and type faces. Study of sizes and type families. Practice of straight matter setting.
- Ind.* 152 *Straight Matter Setting* *Credit 2 Hrs.*
Simple jobs and layouts, Platen Press feeding, Elementary stonework.
- Ind.* 251 *Study of Forms* *Credit 2 Hrs.*
Impositions, elementary design and display.
- Ind.* 252 *Intermediate Design* *Credit 2 Hrs.*
Study of forms in general. Study of effective type arrangements. Ruled forms.
- Ind.* 351 *Advanced Design and Layouts* *Credit 2 Hrs.*
Study of book and periodical forms. Elementary Lino-type operation. Multi-color presswork.
- Ind.* 352 *Study of Paper Stocks* *Credit 2 Hrs.*
Figuring costs, printing office accounts, intensive shop practice.
- Ind.* 451 *Binding* *Credit 2 Hrs.*
Study of stapling, perforating and cutting machinery. Proof reading, advanced press work.
- Ind.* 452 *Management* *Credit 2 Hrs.*
Study of various types of printing establishments; elementary newspaper practice. Shop management.

SHOEMAKING

- Ind.* 161 *Elementary Shoe Repairing* *Credit 2 Hrs.*
This course is for the purpose of teaching the student the care and use of shoemaking equipment, tools and materials.
- Ind.* 162 *Elementary Shoe Repairing* *Credit 2 Hrs.*
Making wax ends and general repair by hand.
- Ind.* 261 *Advance Repairing* *Credit 2 Hrs.*
This course is a continuation of 162 including sole and heel rebuilding by machinery.
- Ind.* 262 *Leathers* *Credit 2 Hrs.*
Selecting and judging the qualities of sole and upper leather.
- Ind.* 361 *Elementary Shoemaking* *Credit 2 Hrs.*
Review of second year's work with advanced repair works, and problems pertaining to shoemaking.
- Ind.* 362 *Elementary Shoemaking* *Credit 2 Hrs.*
Building new heels, fitting insoles and sewing whole soles by machinery.
- Ind.* 364 *Craft (Elective)* *Credit 2 Hrs.*
Study and practice in leather craft.

- Ind.* 461 *Measurements* *Credit 4 Hrs.*
 Making last to fit the foot and fitting uppers.
- Ind.* 462 *Shoemaking* *—Credit 2 or 4 Hrs.*
 Drafting, uppermaking, shop management, and business methods.
- Ind.* 464 *Harnes (Elective)* *Credit 2 Hrs.*
 Harness making and repair.

AUTO MECHANICS

- Ind.* 111 *Automobile Construction and Design* *Credit 2 Hrs.*
 Principles of construction and operation of the automobile.
- Ind.* 112 *Automobile Servicing* *—Chedit 2 Hrs.*
 Washing, Lubrication, polishing and general car care.
- Ind.* 114 *Metal Work* *Credit 2 Hrs*
- Ind.* 211 *Front End Designs, Transmissions, Differentials and Brakes* *Credit 2 Hrs.*
 Construction, adjustments and repairs.
- Ind.* 212 *Automobile Engines & Carburetion System* *Credit 2 Hrs.*
- Ind.* 215 *Same as Ind., Eng., Mfg. Processes (Elective)* *Credit 2 Hrs.*
- Ind.* 311 *Ignition, Lighting System & Battery* *Credit 2 Hrs.*
 Fundamental principles and practices of automotive electricity.
- Ind.* 312 *Generators and Starters* *Credit 2 Hrs.*
 Construction, operation and repair of starters and generators.
- Ind.* 314 *Electric and Acetylene Welding (Elective)* *Credit 2 Hrs.*
- Ind.* 411 *Body & Fender Work & Paint Spraying* *Credit 2-4 Hrs.*
 Procedures in body and fender repair, methods of paint spraying.
- Ind.* 412 *Auto Mechanics (Elective)* *Credit 2-4 Hrs.*
 Machine shop practice. Use of steel lathe for making tools.
- Ind.* 413 *Shop management and Foremanship* *Credit 2 Hrs.*
 With apprenticeship training in commercial shop.

PHOTOGRAPHY

- Ind.* 381 *Credit 2 Hrs.*
 Theory and practice of photography with view and hand cameras; development of plates and printing.
- Ind.* 382 *(Continued)* *Credit 2 Hrs.*
 Enlargments, reductions and reproductions of photographs, scenes, maps, etc.

LAUNDERING

- Ind.* 121 *Washroom Practice* *Credit 2 Hrs.*
 A study of fabrics, equipment and washroom practice.
- Ind.* 122 *Washroom Practice* *Credit 2 Hrs.*
 Continuation of 121. Special renovation and ironing.
- Ind.* 221 *Laundry Science* *Credit 2 Hrs.*
 Laundry science and test applications.
- Ind.* 222 *Laundrying* *Credit 2 Hrs.*
 Laundry machinery, Practical work and a study of laundry machines.

<i>Ind.</i>	223	<i>Care of Equipment</i>	<i>Credit 2 Hrs.</i>
<i>Ind.</i>	215	<i>Same as Ind., Eng., Mfg. Processes</i>	<i>Credit 2 Hrs.</i>
<i>Ind.</i>	321	<i>Boiler, Boiler Room Practice</i>	<i>Credit 2 Hrs.</i>
<i>Ind.</i>	322	<i>Types of Laundries</i>	<i>Credit 2 Hrs.</i>
		A study of the types of laundries with blue print reading.	
<i>Ind.</i>	421	<i>Practical Work</i>	<i>Credit 2 Hrs.</i>
		Continuation of 322 with general practice.	
<i>Ind.</i>	422	<i>Management</i>	<i>Credit 2 Hrs.</i>
		The organization and administration of the laundry.	
<i>Ind.</i>	424	<i>Dry Cleaning & Alterations (Elective)</i>	<i>Credit 2 Hrs.</i>
		Same as 434.	

TAILORING

<i>Ind.</i>	131	<i>Elementary Tailoring</i>	<i>Credit 2 Hrs.</i>
		A study in the use of simple tools with elementary practice work.	
<i>Ind.</i>	132	<i>Rebuilding</i>	<i>Credit 2 Hrs.</i>
		Making general alterations and making over suits.	
<i>Ind.</i>	231	<i>Beginner's Drafting</i>	<i>Credit 2 Hrs.</i>
		The drafting and making of uniform trousers.	
<i>Ind.</i>	232	<i>Beginner's Drafting</i>	<i>Credit 2 Hrs.</i>
		Continuation of course 231.	
<i>Ind.</i>	331	<i>Drafting</i>	<i>Credit 2 Hrs.</i>
		The drafting and making of citizens' trousers.	
<i>Ind.</i>	332	<i>Drafting</i>	<i>Credit 2 Hrs.</i>
<i>Ind.</i>	431	<i>Designing</i>	<i>Credit 2 Hrs.</i>
		Coat design, and study of materials.	
<i>Ind.</i>	434	<i>Management</i>	<i>Credit 2 Hrs.</i>
		Continuation of 431. including management of shop.	
<i>Ind.</i>	434	<i>Dry Cleaning (Elective)</i>	<i>Credit 2 Hrs.</i>

DRAWING

<i>Ind.</i>	171	<i>Elementary Mechanical Drawing</i>	<i>Credit 2 Hrs.</i>
		In this course is given instruction in the use of drawing instruments and a study of orthographic projection and development.	
<i>Ind.</i>	172	<i>Mechanical Drawing</i>	<i>Credit 2 Hrs.</i>
		Prerequisite 171. This course involves the making and reading of drawings, including the development and application of curves.	
<i>Ind.</i>	271	<i>Descriptive Geometry</i>	<i>Credit 2 Hrs.</i>
		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.	
<i>Ind.</i>	272	<i>Machine Drawing</i>	<i>Credit 2 Hrs.</i>
		A study of machine parts and their uses, also lectures on accurate measurement.	
<i>Ind.</i>	276	<i>Lettering (Elective)</i>	<i>Credit 2 Hrs.</i>
		Prerequisite, Drawing 171. (Elective). A study of upper and lower case lettering; also historic forms and the principles of letter-composition.	
<i>Ind.</i>	371	<i>Working Drawing</i>	<i>Credit 2 Hrs.</i>
		Theory and practice in the design of projects used in the manual training courses.	

- Ind.* 372 *Industrial Art Design* *Credit 2 Hrs.*
Prerequisite, Drawing 171 and 172. A study of period furniture, the essential characteristics as to service and beauty.
- Ind.* 471 *Architectural Drawing* *Credit 2 Hrs.*
A beginner's course in architectural drawing and follows up Ind. 371.
- Ind.* 472 *Architectural Drawing (Elective)* *Credit 2 Hrs.*
The planning of house exterior and interior; a study of room arrangement; lighting, heating and sanitation.

INDUSTRIAL ENGINEERING

- Ind.* 115 *Surveying* *Credit 2 Hrs.*
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).
- Ind.* 116 *Engineering Lectures* *Credit 2 Hrs.*
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 3 Hrs.*
The manufacturing of ferrous products, involving calculations; pertaining to the same; constitution of iron carbon alloys; effects of mechanical and heat treatments. Three recitation periods per week.
- Eng.* 215 *Industrial Engineering Manufacturing Processes* *Credit 2 Hrs.*
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 3 hours.
- Eng.* 217 *Mechanics, Book 1 & 2* *Credit 3 Hrs.*
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 Hrs.*
A practical course in elementary electricity, consisting of ordinary wiring, repairs to electrical equipment, simple fixtures and a study of N. E. C. equipments.
- Eng.* 305 *Time Study* *Credit 3 Hrs.*
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 Hrs.*
Same as Auto Mechanics 412.
- Eng.* 401 *Kinematics of Machinery* *Credit 2 Hrs.*
Instant centers; linear velocities by the instant center method; velocity diagrams; gears, belts and pulleys. Prerequisite, Ind. 171, Sci. 121. Recitation 1 hour; practice 3 hours.
- Eng.* 404 *Tool Design* *Credit 2 Hrs.*
Special equipment and methods used in interchangeable

- manufacturing in the machine shop; design of the more simple special tools. Laboratory 4 hours.
- Eng.* 406 *Production Planning* *Credit 2 Hrs.*
The design and construction of special equipment to be used in production jobs. Gig design, etc.
- Eng.* 302 *Steam Power Plants* *Credit 3 Hrs.*
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.* 306 *Industrial Organization* *Credit 3 Hrs.*
The organization and management of industrial enterprises.
- Eng.* 303 *Advanced Heat Engineering* *Credit 2 Hrs.*
As applied to steam power plants and a study of simpler phases of refrigeration and cold storage with design and location of apparatus for a refrigeration plant.
- Eng.* 407 *Factory Cost* *Credit 2 Hrs.*
Cost accounting as applied to factory production and methods used in allocating factory costs. Prerequisite, Ind. 306.
- Eng.* 402 *Scientific Management* *Credit 2 Hrs.*
A study of present methods of management in industry.
- Eng.* 416 *Factory Planning* *Credit 3 Hrs.*
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 Hrs.*
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 Hrs.*
Theory and practice in wiring simple fixtures.
- Ind.* 291 *Wiring* *Credit 2 Hrs.*
This course includes the measuring and bending of conduct and advanced wiring.
- Ind.* 294 *Job Management* *Credit 2 Hrs.*
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 *Technical Composition* *Credit 4 Hrs.*
Practical training in each trade. Laboratory 5 hours per day credit 2 hours each semester.

- Trade 114A & B Technical Composition* *Credit 4 Hrs.*
 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 2 hours each semester.
- Trade 103A & B Shop Mathematics* *Credit 4 Hrs.*
 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 Hrs.*
 This course deals with the names, uses, and care of tools.
- Trade 144A & B Mechanical Drawing* *Credit 4 Hrs.*
 This course deals with the fundamental principles in drawing, with special stress on trade drawing. Credit 2 hours each semester.
- Trade 208A & B Trade* *Credit 4 Hrs.*
 An advance of course 104, with much stress on the development of skill. Laboratory 5 hours per week. Credit 2 hours each semester.
- Trade 228 Trade Administration* *Credit 2 Hrs.*
 Instruction relating to organized efficiency in trade work.
- Trade 248A & B Advanced Composition* *Credit 4 Hrs.*
 A continuation of course 114, including speaking. Credit 2 hours each semester.
- Trade 268 Trade Science* *Credit 3 Hrs.*
 Introductory course in general physics with emphasis on measurements, machines, heat, electrical theory and application.
- Trade 288A & B Elective Trade* *Credit 4 Hrs.*
 Practice in any other trade. Credit 2 hours each semester.

TRADES & INDUSTRIAL DIVISION OF VOCATIONAL EDUCATION

The Department of Trades and Industries is a service department relating to Industrial Arts Education, Industrial Engineering, and the Division of Vocational Education under the regulations of the Smith-Hughes and George Deen Acts, as set up by the Federal and State Boards for Vocational Education. The Curriculum of the division of Vocational Education may be found with reference to the curriculum of Industrial Arts Education and Home Economics Education.

Persons desiring to meet the requirements of the State and Federal Boards of Vocational Education should follow the course under Industrial Arts Education or Home Economics Education through the Sophomore year. On entering the Junior year the Curriculum of the Division of Vocational Education should be followed.

VOCATIONAL MAJORS

Majors are offered in the following fields: Tailoring, Cosmetology, Barbering, Woodwork, Auto Mechanics, Shoe Rebuilding, Household Maid Service, Laundering, Printing and Electricity.

DESCRIPTION OF COURSES

- T.&I. 393 *History and Philosophy of Vocational Education*
Credit 3 Hrs.
Prerequisite, Junior standing in major study. Historical background and development of present and future trends in Vocational Education.
- T.&I. 394 *Methods of Teaching Trades and Industrial Education*
Credit 3 Hrs.
Prerequisite, T. & I. Ed. 394. Junior standing in major study. Established principles involved in the teaching of Trades and Industries.
- T.&I. 394A *Methods and Materials for Teaching Household Service*
Credit 3 Hrs.
The procedures and organization of subject matter.
- T.&I. 496 *Trade and Job Analysis*
Credit 3 Hrs.
Prerequisite, T. & I. Edu. 393. The technical analysis of a trade or job as to its training units.
- T.&I. 493 *Administration and Supervision of Vocational Education*
Credit 2 Hrs.
The techniques and trends for the supervisors and administrators of vocational Education (Elective)
- T.&I. 495 *Guidance, Placement and Follow-Up in Industrial Education*
Credit 3 Hrs.
Prerequisite, T. & I. Edu. 393. Factors relating to counseling, placement, and coordination in Vocational Education (Elective).
- T.&I. 498 & 498A *Observation and Practice teaching* Credit 2 Hrs.
Prerequisite, T. & I. Edu. 394. Lesson Planning, observing and practice teaching.
- T.&I. 497 *Productive Basis*
Credit 3 Hrs.
Prerequisite, Senior standing. Dealing with the more difficult and intricate cabinet work and finishing.
- T.&I. 497A *Special Problems in Household Service*
The development of fundamental materials for special problems.
- T.&I. 499 *Productive Basis*
Credit 3 Hrs.
Prerequisite, Senior standing. Advanced work in all of the processes including upholstering.
- T.&I. 499A *Fundamental Practices in Household Skills*
Practical participation for the development of skills and accuracy.
- T.&I. 395 *Survey Techniques in Industrial Vocational Education*
Credit 2 Hrs.
Prerequisites, T. & I. 393 and 496. Study of techniques used in making community surveys to determine the possible needs for and the type of vocational education program best suited to a local community. (Elective).
- T.&I. 396 *Special Problems in Apprentice Education* Credit 2 Hrs.
Prerequisite, T. & I. 393. Problems and procedures inherent in current apprentice education. (Elective).

DIVISION OF HOME ECONOMICS

Introductory

The curriculum in home economics is designed to meet the needs of three classes of students; those who desire to teach the subject, those who desire a general knowledge of the subject, as a part of their liberal education, and those who wish to choose it as a background training required for various professional fields. It is especially valuable to those whose interest, at the present or in the future, is in the administration of a home.

The idea, that real learning is more than fact acquisition and that the student gains most from her education through self activity in the study of her own problems as related to family and community life, has been the basis of the curriculum in the Division. It also attempts to meet the larger personal and social needs of students.

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.

DEPARTMENTS OF INSTRUCTION

Clothing and Textiles

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|------|-----|---|----------------------|
| H.E. | 101 | <i>Art, Color and Design</i> | <i>Credit 2 Hrs.</i> |
| | | A course planned to teach the principles of good design as applied to the home and to guide the student in understanding the fundamentals of good taste. The laboratory hour is devoted to the development of creative expression applicable to the home. The use of color, line and forms in the construction of practical needlecraft and handicraft articles and objects service as a medium. Four periods per week. | |
| H.E. | 105 | <i>Textiles</i> | <i>Credit 2 Hrs.</i> |
| | | Study of the fundamental material in the field of textiles, from raw material through construction, identification, analysis, choice, use and care of fabrics. The art of buying textiles is stressed, offering a solution to many consumer problems. Two hours per week. | |
| H.E. | 104 | <i>Costume Design</i> | <i>Credit 2 Hrs.</i> |
| | | Practical application of Principles of Costume Design. Emphasis on individuality in costume through appropriate use of line, proportion, color and texture. Two hours per week. Prerequisite H.E. 101, H.E. 108. | |
| H.E. | 108 | <i>Clothing Construction</i> | <i>Credit 2 Hrs.</i> |
| | | Fundamental construction processes applied to simple garments. Emphasis on Clothing Economics. Four hours per week. | |
| H.E. | 302 | <i>Children's Clothing</i> | <i>Credit 2 Hrs.</i> |
| | | A study of the problems involved in the selection, planning, and making of children's clothing. Emphasis is placed on relation of the design to self help. Four hours per week. | |
| H.E. | 401 | <i>Costume Tailoring</i> | <i>Credit 3 Hrs.</i> |
| | | Special problems in dressmaking and costume suits which require tailored finishes. Prerequisite, H.E. 108, H.E. 302. | |

- H.E. 402 *Advanced Dressmaking* *Credit 3 Hrs.*
The application of commercial and self designed patterns to sheer and delicate materials. Emphasis upon the development of the technique of alteration and fitting. Prerequisite, H.E.108, H. E. 302.
- Food and Nutrition
- H.E. 231 *Food Selection and Preparation* *Credit 4 Hrs.*
Emphasis is placed upon the selection and preparation of the various foods used in our dietary. Reference is made to the quantity and variety of foods available to consumers. Lecture 1 hour, Laboratory 4 hours.
- H.E. 232 *Advanced Foods* *Credit 4 Hrs.*
Subject matter and laboratory practice related to the planning and serving of meals are presented. Laboratory problems are planned, with a day's meal for specific groups, of stated composition, activity and income as a basis. Prerequisite, H.E. 231., Lecture 1 hour, laboratory 4 hours.
- H.E. 403 *Fine Cookery* *Credit 2 Hrs.*
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 Hrs.*
Survey of research work being done in foods by various special bureaus, educational institutions, commercial firms, and scientists. Late books and magazine articles are reviewed. Prerequisite, Senior or Junior rating.
- H.E. 331 *Nutrition* *Credit 3 Hrs.*
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 individuals dietary needs with special regard to the relation of such knowledge to health. Four periods per week. Prerequisite, Sci. 101-102, H.E., 231, 237.
- H.E. 405 *Child Nutrition* *Credit 2 Hrs.*
A study of child requirements and the preparation of the noon meal for pre-school children; causes, effects, and prevention of malnutrition; and case studies. Prerequisites, H. E. 231,232, 331.
- H.E. 353 *Health of the Family* *Credit 2 Hrs.*
Elementary methods of preventing diseases and caring for the sick in the home. Two perids per week.
- Home Management and Family Life
- H.E. 351 *House Care and Equipment and Physics* *Credit 4 Hrs.*
Stresses the points of selection and methods of operation and care of household equipment. The construction of many types of equipment is based on fundamental scientific laws and these laws must be understood if the operator is to use the appliance with greatest efficiency. Two periods per week.

- H.E. 352 *Household Economics* Credit 2 Hrs.
Realizing that the woman as spender of the family income is faced with a problem as serious as that of the man producing it, a study of budgeting, selection and arrangement necessary in establishing as well regulated home provides the basis of this course. Two hours per week.
- H.E. 354 *House Planning and Furnishing* Credit 3 Hrs.
Traditional and the contemporary styles of Home decoration and furnishing are treated. Problems and projects, such as the decorating and furnishing of a small home are activities which furnish practical learning situations. Three periods per week. Prerequisite, An elementary course in design and junior standing.
- H.E. 481 *Home and Family Relationships* Credit 2 Hrs.
Modern problems in the physical, emotional and social relations of the family, with special emphasis on practical solutions and education for family life. Two hours per week. Open to mature non-majors.
- H.E. 482 *Home Management and Residence* Credit 5 Hrs.
Students are provided with actual living situations as they occur in the average home. A period of nine weeks internship is required of each girl, at which time she plans meals, markets, prepares and serves family meals, entertains, learns to do more efficiently the household tasks, and learns the art of becoming an hospitable hostess. Open to seniors, only.
- H.E. 483 *Child Care and Training* Credit 3 Hrs.
Aims especially to study the fundamental principles underlying the training of children. It takes into consideration the child from the prenatal period through adolescence. Three hours per week.
- H.E. 485 *Nursing School Participation* Credit 3 Hrs.
Methods of instruction, problems of individual children, pre-school equipment and records. Supervised observation in the Nursery School.
- H.E. 406 *Problems in Pre-School Education* Credit 3 Hrs.
A critical examination of experimental literature in child development from the standpoint of its application to pre-school children. Individual problems in the pre-school.
- H.E. 486 *Child Study and Parent Education* Credit 3 Hrs.
A study of important factors in child development functioning in child development functioning in relationships between parents and children; contemporary movements in parent education, methods of conducting study groups, observation and participation in parent's study groups.
- H.E. 407 *Observation in Nursery School* Credit 2 Hrs.
An appreciation of the pre-school child through observing his play habits, emotional control and behavior in general.

Home Economics Education

- H.E.* 100 *Orientation* *Credit 2 Hrs.*
 Study of personal problems of freshman women; emphasis on personality development. This course includes a study of the scope of home economics. Two hours per week.
- H.E.* 371 *Methods in Teaching Home Economics* *Credit 2 Hrs.*
 Designed to help the prospective teacher or the young teacher in service to see the problems which she will, in all probability, have to face in becoming adjusted to her job under present day conditions. This course points out these problems and suggests methods of attacking and solving them. Three periods per week. Prerequisite, Ed. 201.
- H.E.* 474 *Observation and Apprentice Teaching* *Credit 6 Hrs.*
 (a-b)
 Presents to the student a birds' eye view of the subject matter she will be responsible for during her practice teaching. Through this course the student is given an opportunity of gaining an insight into the technique of teaching and the mechanics of classroom management. Hours to be arranged. Prerequisite, Ed. 201, H. E. 371.
- H.E.* 490 *Adult Homemaking* *Credit 2 Hrs.*
 Intended for teachers interested in developing classes for adults; promotion of such classes; methods used; preparation of teaching plans.

SUMMER SCHOOL

Short Courses for Teachers During Summer Sessions

- Problems in Teaching Homemaking Credit 2 Hrs.
- Adult Homemaking or Supervision of Student Teaching Credit 2 Hrs.
- Agriculture Credit 2 Hrs.
 Landscape gardening, flowers beds and arrangement, kitchen gardens, and poultry.
- Refinishing Furniture Credit 1 Hr.
 Upholstering, how to paint and varnish, and how to use simple tools.
- Problems in Teaching Homemaking Credit 2 Hrs.
 A basic method course for experienced teachers; psychological concepts related to teaching problem, project methods, pupil participation, discussion, techniques methods in progressive education philosophy.
- Supervision of Student Teaching in Homemaking Credit 2 Hrs.
 Organization; methods of introducing students into teaching responsibilities; analyzing difficulties; case situation, conferences; planning; evaluation of teaching; responsibilities and qualifications of supervisor; relationship between teaching center and college.
- Adult Homemaking Credit 2 Hrs.
 Intended for teachers interested in developing classes for adults; promotion of such classes; methods used;

DEPARTMENT OF ENGLISH

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, and to develop within the student a taste for and an understanding of the best there is in literature.

For the purpose of classification, a standardized test is given all freshmen at the beginning of the fall semester. Students making a low score are placed in drill sections in which the fundamentals are stressed.

Students majoring in English must complete a minimum of thirty-six semester hours. If a Life Certificate is desired, the following courses should be included: 101, 102, 223, 224, 301, 302. Eight semester hours from following: 303, 304, 312, 317. Electives in the three or four hundred group to complete the required number of hours.

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

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

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| M.L. | 0 | <i>Grammar & Composition</i> | <i>Credit 0</i> |
| | | A review course emphasizing spelling, word usage, and the elements of the sentence. | |
| M.L. | 101 | <i>English Composition</i> | <i>Credit 3 Hrs.</i> |
| | | Grammar reviews, recitations, themes, general expression, assigned readings. A study of the four forms of discourse with emphasis on expository writing. | |
| M.L. | 102 | <i>English Composition</i> | <i>Credit 3 Hrs.</i> |
| | | A continuation of 101. Prerequisite, 101. | |
| M.L. | 201 | <i>English Grammar</i> | <i>Credit 3 Hrs.</i> |
| | | A study of advanced grammar. Verb usage and sentence analysis are emphasized. Prerequisite, 101, 102. | |
| M.L. | 203 | <i>Literary Types</i> | <i>Credit 3 Hrs.</i> |
| | | A study of representative examples of essays, novels, short stories, dramas, and poetry (Classic and contemporary). Required of all elementary majors, Prerequisite, 101, 102. | |
| M.L. | 204 | <i>English Composition</i> | <i>Credit 3 Hrs.</i> |
| | | Instruction and practice in elementary composition. Prerequisite, 101, 102. | |
| M.L. | 212 | <i>Introductory Public Speaking</i> | <i>Credit 3 Hrs.</i> |
| | | A study of the principles of effective delivery; voice, enunciation, pronunciation, force, posture, movement, gesture as well as rhetorical structure. Prerequisite, 101, 102. | |
| M.L. | 223 | <i>English Literature</i> | <i>Credit 3 Hrs.</i> |
| | | An outline study of English Literature from Beowulf to Dryden. Prerequisite, 101, 102. | |
| M.L. | 224 | <i>English Literature</i> | <i>Credit 3 Hrs.</i> |
| | | A continuation of 223. From Dryden to the end of the nineteenth century. Prerequisite, 223. | |

- M.L. 228 *Children's Literature* Credit 2 Hrs.
Study of literature suitable for the elementary grades. Includes story telling, folk rhymes and stories, myths and nature stories. Prerequisite, 101,102.
- M.L. 301 *American Literature* Credit 3 Hrs.
A study of the chief American writers from Colonial times to 1860. Prerequisite 223, 224.
- M.L. 302 *American Literature* Credit 3 Hrs.
A continuation of 301. From 1860 to 1900. Prerequisite, 301.
- M.L. 303 **Speech and Interpretation* Credit 3 Hrs.
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.
- M.L. 304 **Acting and Play Production* Credit 3 Hrs.
Training in the art and principles of acting, rehearsal and directing technique. Laboratory problems play presentation, costuming, makeup. Prerequisite, Junior standing or special permission.
- M.L. 312 *Argumentation and Debate* Credit 3 Hrs.
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.
- M.L. 317 *Journalism* Credit 2 Hrs.
Fundamentals of publicity for workers in the fields of agriculture and home economics. Some attention given to the high school newspaper. Prerequisite, 101, 102 and Junior standing.
- M.L. 403 *Introduction to Drama* Credit 3 Hrs.
A study of the origin and development of the drama. Special attention is given to English and Continental drama. (Shakespeare omitted). Prerequisite, 223, 224.
- M.L. 423 *Romantic Movement* Credit 3 Hrs.
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.
- M.L. 425 *Victorian Poetry* Credit 3 Hrs.
A study of the chief Victorian poets. Prerequisite 223, 224.
- M.L. 426 *The Negro in American Literature* Credit 3 Hrs.
A study of the works of Negro authors and their contribution to American Literature. Prerequisite, Junior standing.
- M.L. 427 *Shakespeare* Credit 3 Hrs.
The study of Shakespeare as poet and dramatist. Representative plays of each period are read. An intensive study of Hamlet. Prerequisite 223, 224.

*Formerly designated as Dramatics 303, 304.

- M.L. 428 *The English Novel* Credit 3 Hrs.
The origin and development of the English Novel. Representative novels from Richardson to the Brontes are read. Lectures, discussions, and reports. Prerequisite, 203, 304.

FOREIGN LANGUAGES

SPANISH

- M.L. 131 *Elementary Spanish* Credit 3 Hrs.
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 Hrs.
Elementary reading and translation. Beginning composition.
- M.L. 231 *Second year Spanish and Elementary Spanish Composition* Credit 3 Hrs.
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 *Second Year Spanish and Elementary Composition* Credit 3 Hrs.
Continuation of 231. Objectives and method same. Added readers and weekly reading and discussion of current topics from a Spanish newspaper.

GERMAN

- M.L. 141 *Beginning German* Credit 3 Hrs.
Principles of pronunciation, phonetics, sound drill, vocabulary drill and grammar fundamentals.
- M.L. 142 *Beginning German* Credit 3 Hrs.
Elementary reading and translation. Beginning composition.
- M.L. 241 *2nd Year German Grammar & Composition* Credit 3 Hrs.
For students planning advanced work in oral and written German. Review grammar and pronunciation. Reading and translation of simplified German classics.
- M.L. 242 *2nd Year German Grammar & Composition* Credit 3 Hrs.
Continuation of 241.

FRENCH

- M.L. 151 *Beginner's French* Credit 3 Hrs.
Fundamentals of pronunciation sounds and sentence structure. Drills on French sounds as compared to English sounds.
- M.L. 152 *Elementary French* Credit 3 Hrs.
Pronunciation and sounds. Reading in elementary text, "Le Petit Journal", Elementary grammar, Prerequisite, 151.
- M.L. 251 *Intermediate French* Credit 3 Hrs.
Grammar, Syntax, Dictations, Compositions, readings Prerequisite 152.

- M.L.* 252 *Intermediate French* *Credit 3 Hrs.*
 Grammar Review, Reading of some French masterpieces. Magazines. Prerequisite, 251.
- M.L.* 351 *Advanced French* *Credit 3 Hrs.*
 Advanced Grammar, Advanced compositions, conversational French. Prerequisite, 252.
- M.L.* 352 *Advanced French* *Credit 3 Hrs.*
 Rapid survey of French Literature from beginning to 19th century, Analysis of some masterpieces.

DEPARTMENT OF MUSIC

Purpose

The purpose of the Department of Music is to give training in the science and art of music and to so enlarge the scope of appreciation that music be recognized as a vital part of college life and communities.

Solfeggio and Introductory Courses

- Music* 1TX *Music Introduction* *Credit 0 Hrs.*
 A study of fundamentals and notation. A sub-freshman course. Required by all music majors and minors and those majors in Elementary Education who wish to qualify for two (2) to six (6) hours of Public School Music.
 Proposed music majors must make a grade not less than B in this course or will be advised to change their major. A student whose high school transcript carries a satisfactory grade in Music Introduction, or a student who passes a satisfactory examination in this course is eligible for Music 1S1.
- Music* 1S1 *Sightsinging* *Credit 2 Hrs.*
 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 sightsing simple songs. Class meets four times a week. Two class hours, and two rehearsals at night. The sightsinging class comprises the Service Choir for campus services. Prerequisite, 1TX.
- Music* 1S2 *Sightsinging* *Credit 2 Hrs.*
 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 rhythms. Students are expected to voice all intervals and sing music of moderate difficulty at sight. Prerequisite, 1S1.
- Musicology
- Music* 1A1 *Music Appreciation* *Credit 3 Hrs.*
 A discussion and recognition of the simpler forms of music and the lives of the composers, lectures supplemented by musical illustrations and phonograph recordings.

Music 1A2 Music Appreciation *Credit 3 Hrs.*
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, overtures, concertos, etc. Prerequisite, 1A1.

Music 1H1 Music History *Credit 2 Hrs.*
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. Prerequisite 1A2 and 1S1 for non-music majors.

Music 1H2 Music History *Credit 2 Hrs.*
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 forms of the first course. Prerequisite, 1H1.

Courses in Teaching Preparation

Music 1E1 Music Methods *Credit 3 Hrs.*
This course is designed to acquaint the student with (1) the objectives of the study of music in grade schools, (2) typical problems involved, and (3) materials and devices of certain value in the teaching of public school music. Prerequisite 1TX, 1S2, 1T1.

Music 1E2 Music Methods *Credit 3 Hrs.*
Continuation of first semester. A study of the teaching of music in the high school. Prerequisite 1E1.

Music 1C1 Conducting *Credit 2 Hrs.*
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 made upon the conductor. Prerequisite, Music majors only—Juniors and Seniors. Others consult Office of the Department of Music.

Music 1C2 Conducting *Credit 2 Hrs.*
Continuation of first semester conducting with a more intensive study of additional scores, and practical experience in conducting. A thorough study of band, orchestral, and choral organization. Prerequisite, 1C1.

THEORY

Music 1T1 Harmony *Credit 4 Hrs.*
A study of chord combination and simple part-writing as a foundation for advanced work in the several styles of original composition. The study includes: intervals, scales, triads (major and minor), dominant 7th chord, and embellishments.

Music 1T2 Harmony *Credit 4 Hrs.*
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* *Advanced Harmony* *Credit 2 Hrs.*
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 Hrs.*
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: 2, 3, 4, and 5 parts. Prerequisite 2T1.
- Music 3T1* *Advanced Counterpoint* *Credit 4 Hrs.*
Double counterpoint, imitations, sequences, canons. The inventions and fugues in 2, 3, and more parts. Canon by augmentation, etc. Prerequisite 2T2.
- Music 1F1* *Music Form and Analysis* *Credit 2 Hrs.*
A study of the structure and aesthetic content of music from the single note through the various homophonic forms, to the compound forms. Analysis of the various part forms, as found in the works of the earlier masters. Prerequisite, 2T1.
- Music 1F2* *Music Form and Analysis* *Credit 2 Hrs.*
Continuation of first semester Music Form and Analysis, covering completely the larger forms, from the variations to the sonata, and Sonata Allegro forms inclusively. These forms are studied with an analysis of their employment in sonatas, symphonies, concertos, etc. Prerequisite, 1F1.
- Music 1I1* *Instrumentation* *Credit 2 Hrs.*
A study in the art of applying musical ideas to the capabilities of orchestral instruments. Prerequisite 1T2.
- Music 1I2* *Instrumentation* *Credit 2 Hrs.*
Continuation of first semester Instrumentation. Prerequisite 1I1.

Courses in Applied Music

Piano

- Music 1P1* *Piano* *Credit 0 Hrs.*
Czerny—velocity studies, Heller-Thirty Selected Studies, Bach—Little Preludes and Fugues, Bach—Two part Inventions, Mozart—Easiest Sonatas and Mendelssohn—Song Without Words, Hannon's Virtuoso Complete.
- Music 1P2* *Piano* *Credit 0 Hrs.*
Czerny—Studies, Volume III, or Cramer Studies, Bach—Two or Three Part Inventions, Loeschhorn studies, Opus 136, Book II, Haydn—Sonatas (Easiest) and Hannon's Virtuoso complete. Prerequisite, 1P1.
- Music 2P1* *Piano* *Credit 2 Hrs.*
Czerny studies, Opus 740, Bach—Three Part Inventions, Hannon's Virtuoso complete, Mozart and Beethoven

- sonatas equivalent in grade of difficulty to Opus 10, No. 1 C minor and Opus 14, No. 1, E Major. Other selected romantic and modern pieces. Prerequisite, 1P2.
- Music 2P2 Piano Credit 2 Hrs.*
Continuation of first semester Piano. Prerequisite, 2P1.
- Music 3P1 Piano Credit 4 Hrs.*
Clementi-Gradus ad Parnassum, Bach—Well Tempered Clavichord, Hannon's Virtuoso complete; Sonatas, equivalent in grade of difficulty to the Beethoven Sonata Opus 2, No. 3, C Major; Mendelssohn's G Minor Concerto. Selected Romantic and modern pieces of equivalent difficulty. Prerequisite, 2P2.
- Music 3P2 Piano Credit 4 Hrs.*
Continuation of first semester piano. Prerequisite, 3P1.
- Music 4P1 Piano Credit 4 Hrs.*
Hannon's Virtuoso Complete; Chopin—Etudes; Beethoven's later Sonatas or others equivalent to the E flat Sonata, Opus 31; Bach—Well Tempered Clavichord. Other classic, romantic and modern pieces of suitable grade of difficulty. Prerequisite, 3P2.
- Music 4P2 Piano Credit 4 Hrs.*
Continuation of first semester piano, intensively, with added material of the desired grade of difficulty. Prerequisite, 4P1.
- Voice
- Music 1V1 Voice Credit 2 Hrs.*
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 vocalise as may be found necessary. Simple Folk and English Songs. Prerequisite, 1S1.
- Music 1V2 Voice Credit 2 Hrs.*
Continuation of first semester voice. Prerequisite, 1V1.
- Music 2V1 Voice Credit 2 Hrs.*
Studies in diatonic and chromatic scales, a singing legato, staccato, triplets, simple trill, and 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 2 Hrs.*
Continuation of first semester voice. Prerequisite 2V1.
- Music 3V1 Voice Credit 4 Hrs.*
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, 2V2.
- Music 3V2 Voice Credit 4 Hrs.*
Continuation of first semester voice, with special emphasis on the recitative, lyric, and dramatic examples from additional Operas and Oratorios. Prerequisite, 3V1.

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

Orchestral Instruments

Woodwinds:

Single Reeds—Double Reeds

Brass

Strings

Percussion

Majors and minors offered from either class. Instruments, except Violin, carrying Course Number 2 and 3, offers a credit of 2 semester hours.

Violin 1 and 2, carries no credit.

Course Numbers 4, and above offers a credit of 4 semester Hrs.

A preceding Course Number is always the prerequisite to the number that follows.

Orchestra—Band—Chorus

Offered for credit, 1 hour for each semester.

May be taken for credit for 3 years only as an elective and carries no course number.

Chorus is required for Voice Majors, without credit.

Orchestra and Band is required for Instrumental Majors without credit.

In all instances students checking out instruments, choral or Band Uniforms are held totally responsible in the Office of the Bursar for the original value of said property, should it be misplaced, or damaged in anyway.

Music Majors are not excused from concerts and recitals in attendance.

College of Arts and Sciences

A program for Majors and Minors in Piano, Voice, Theory and Orchestral Instruments is given in the College of Arts and Sciences. Consult the Office of the Department of Music.

Note:—These programs, for the above stated, do not propose to lead to State Qualifications for certification.

Organizations

University Ladies' Quartette

Service Choir

University Men's Quartette

A Cappella Choir

University Band

University Orchestra

Course Number Explanation and Regulations

1T1 Means first year and first semester of Theory.

1T2 Means first year and second semester of Theory.

2H1 Means second year and first semester of History.

Violin 8 Means 8th semester of Violin.

Chorus 4 means 4th semester of Chorus.

DIVISION OF NATURAL SCIENCES AND MATHEMATICS

ASTRONOMY

- Sci. 101 *Introduction to Astronomy* *Credit 4 Hrs.*
A non-technical study of familiar phenomena of the sky; facts about the sun, moon, planets and comets.

GEOLOGY

- Sci. 231 *Introductory Geology* *Credit 4 Hrs.*
The general principles of the science of geology are considered, emphasizing the classification of rocks and minerals.

DEPARTMENT OF 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 is preferred if convenient.

- Sci. 151 *General Biology* *Credit 4 Hrs.*
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.
- Sci. 152 *General Biology (Continued)* *Credit 4 Hrs.*
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.
- Sci. 157 *Personal Hygiene* *Credit 2 Hrs.*
Environmental and heredity factors that influence personal health, infections and resistance, structure, functions, and elementary pathology of the organic systems of the human body.
- Sci. 251 *General Botany* *Credit 4 Hrs.*
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.

- Sci. 253 *The Plant Kingdom* Credit 3 Hrs.
 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.
- Sci. 255 *Comparative Vertebrate Anatomy* Credit 5 Hrs.
 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.
- Sci. 256 *Continuation of 255* Credit 5 Hrs.
 Sci. 257 *Community Hygiene* Credit 2 Hrs.
 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.
- Sci. 351 *Vertebrate Embryology* Credit 3 Hrs.
 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.
- Sci. 352 *Animal Ecology* Credit 3 Hrs.
 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.
- Sci. 353 *Human Anatomy* Credit 3 Hrs.
 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.
- Sci. 354 *General Entomology* Credit 4 Hrs.
 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 collections to be added to Sci. 151, 152. Two lectures and laboratory four hours.
- Sci. 355 *General Parasitology* Credit 4 Hrs.
 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.
- Sci. 351A *General Bacteriology* *Credit 3 Hrs.*
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.
- Sci. 451 *General Physiology* *Credit 4 Hrs.*
General consideration of the principles and methods of body functions. The course include a study of inter-relationships of organs, muscles, nerves, physiology, digestion, circulation and respiration. Prerequisites, Sci. 151-152. Four lectures per week.
- Sci. 452 *Plant Pathology* *Credit 4 Hrs.*
The nature, cause and control of disease in orchard and field crops. Two lectures and laboratory four hours per week. Prerequisite 251.
- Sci. 454 *Genetics* *Credit 4 Hrs.*
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 lecture per week.

DEPARTMENT OF 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.

- Sci. 101 *Elementary General Chemistry* *Credit 3 Hrs.*
For students enrolled in Agriculture, Home Economics and Industrial Arts. Two lectures and three hours laboratory work per week.
- Sci. 102 *Continuation of 101* *Credit 3 Hrs.*
- Sci. 111 *General Chemistry* *Credit 4 Hrs.*
Three lectures and four hours laboratory work per week.
- Sci. 112 *Continuation of 111*

- Sci.* 211 *Qualitative Analysis* *Credit 3 to 5 Hrs.*
 Two lectures and 8 hours of laboratory work per week.
- Sci.* 212 *Quantitative Analysis* *Credit 3 to 5 Hrs.*
 Two lectures and 8 hours laboratory work per week.
 Prerequisite *Sci.* 211 or equivalent.
- Sci.* 311 *Organic Chemistry* *Credit 3 to 5 Hrs.*
 Three lectures and 4 hours laboratory work per week.
- Sci.* 312 *Continuation of 311* *Credit 3 to 5 Hrs.*
- Sci.* 311A *Organic Chemistry & Analytical Methods* *Credit 5 Hrs.*
 For agricultural students. Principles of organic chemistry and methods in gravimetric and volumetric analysis. Lecture and laboratory work.
- Sci.* 322A *Physiological Chemistry* *Credit 3 Hrs.*
 Prerequisite 311A offered for agricultural and home economics students.
- Sci.* 403 *Food Chemistry* *Credit 3 to 5 Hrs.*
 Two lectures and 8 hours laboratory work per week.
 The course includes an analysis of milk, butter, flour and other food products.

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: 101, 106, 204, 305, 306 and 310. Electives to make out the required number of hours must meet the approval of director.

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

Note: If 104 is not offered as an entrance unit, it must be taken during the first two years. 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, 305.

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

- Math.* 100 *Intermediate Algebra* *Credit 3 Hrs.*
 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 able to pass an examination may omit this course).
- Math.* 101 *College Algebra* *Credit 3 Hrs.*
 The quadratic equation, progressions, inductions, binomial theorem, combinations, probability, logarithms, and integral rational functions.
- Math.* 102 *Arithmetic for Elementary Teachers* *Credit 2 Hrs.*
 Designed to give an appreciation of the history of numbers and number processes as well as a thorough mastery of the facts themselves.

- Math.* 103A *B Introduction to Mathematics* *Credit 6 Hrs.*
 Designed to give a general knowledge of mathematics to students who do not plan to major in mathematics, physics, chemistry or engineering.
 It treats: The development of elementary mathematics, algebraic expressions and equations, use of exponents in computation, problems and methods of elementary geometry, indirect measurement, an application of geometry, the function concept, types of functions, finding equations for useful functions, the limit concept, the rate of change of a function and coordinate geometry. *Credit 3 hours each semester.*
- Math.* 104 *Solid Geometry* *Credit 2 Hrs.*
 Elements of solid geometry; properties and measurements of surfaces and solids.
- Math.* 106 *Plane Thigonometry* *Credit 3 Hrs.*
 The trigonometric functions, identities, equations and the solution of triangles.
- Eng.* 115 *See Engineering 115* *Credit 3 Hrs.*
- Math.* 117 *Industrial Mathematics* *Credit 3 Hrs.*
 A study of the fundamentals of arithmetic, algebra and trigonometry with applications to shop problems.
- Math.* 200 *Agricultural Mathematics* *Credit 2 Hrs.*
 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 Hrs.*
 Rectangular and polar co-ordinates. The line and conic sections, transformations of coordinates, and the general equation of the second degree. Prerequisite, *Math.* 101, 106.
- Eng.* 217 *See Engineering 217* *Credit 3 Hrs.*
- Math.* 221 *Business Mathematics* *Credit 3 Hrs.*
 Interest, periodical payments, graphs, and statistics.
- Math.* 230 *The Fundamentals of Statistics* *Credit 3 Hrs.*
 A first course for students in other fields who need statistics in their work.
- Math.* 305 *Calculus* *Credit 4 Hrs.*
 The derivative of the algebraic and the transcendal functions with applications to geometry and physics. Prerequisites, 101, 106, 204.
- Math.* 306 *Calculus* *Credit 4 Hrs.*
 The anti-derivative, definite integral with applications to geometry, mechanics and physics. Prerequisite, 305.
- Math.* 310 *Algebra (Advanced)* *Credit 3 Hrs.*
 Theory of equations and determinants. Selected topics in algebra. Prerequisite, 305.
- Math.* 315 *Solid Analytical Geometry* *Credit 3 Hrs.*
 A study of the first and second degree equations in space of three dimensions. Prerequisite, 305.
- Math.* 401 *Mathematical Statistics* *Credit 3 Hrs.*
 The development of the elementary functions and their relationship period. The binominal description of fre-

- quency, the probability, integral, frequency curves, and correlation. Prerequisite 306.
- Math.* 403 *College Geometry* *Credit 3 Hrs.*
The study of geometric loci; indirect elements, similar and homothetic figures. The circumcenters, medians, bisectors and altitudes of triangles, etc. Open to Juniors and Seniors.
- Math.* 413 *Differential Equations* *Credit 3 Hrs.*
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.
- Math.* 415 *Mathematical Analysis* *Credit 3 Hrs.*
An advanced course in Calculus. The fundamental theorems of the differential calculus. Derivatives, differentials, functional determinants and transformations. Prerequisite, Math. 306, 310.
- Math.* 416 *Mathematical Analysis (Continuation)* *Credit 3 Hrs.*
The fundamental theorems of the integral calculus. Double and triple integrals, Green's theorems. Prerequisite 415.

DEPARTMENT OF PHYSICS

- Sci.* 221 *Mechanics, Heat and Sound* *Credit 3 Hrs.*
Lectures and laboratory on the general principles involved. Prerequisite, Math. 106.
- Sci.* 222 *Electricity, Magnetism and Light* *Credit 3 Hrs.*
Lectures and laboratory on the general principles involved. Prerequisite, Math. 106.
- Sci.* 300 *Elements of Radio Telephony* *Credit 3 Hrs.*
Principles of receiving and transmitting sets. Regeneration, Oscillation and principles of television.
- Sci.* 301 *General Laboratory* *Credit 3 Hrs.*
Experimental physics designed to give the student an experimental technique. Prerequisite, Physics 221, 222.
- Sci.* 320 *Electrical Measurements* *Credit 3 Hrs.*
Principles of direct current measurements. Prerequisite, 222.
- Sci.* 321 *Alternating Current Measurements* *Credit 3 Hrs.*
A vectoral and mathematical analysis of current and voltage phase relation in A. C. circuits. Prerequisite, Physics 222.
- Sci.* 322 *Household Physics* *Credit 3 Hrs.*
For Home Economics students. Physics of the household.
- Sci.* 400 *Electrical Theory* *Credit 3 Hrs.*
A mathematical treatment of magnetism, electrostatics, condensers and coils. Prerequisite, Physics 222 and Calculus.
- Sci.* 440 *Modern Physics* *Credit 3 Hrs.*
Developments in recent physics. Photo-electricity, atomic structure, X-rays, cosmic rays and relativity. Prerequisite, Physics 321 and astronomy.

- Sci. 450 *Heat Theory and Thermodynamics* Credit 3 Hrs.
Lectures and laboratory on high temperature measurements. Introduction to thermodynamics and statistical mechanics. Prerequisite, Physics 221 and Integral calculus.
- Sci. 452 *Kinetic Theory of Gases* Credit 3 Hrs.
Introduction to Boltzmann's theory; H constant. General gas laws. Prerequisite, Physics 221 and Calculus.
- Sci. 460 *Light Theory* Credit 3 Hrs.
Elementary optics, dispersion of light, polarized light; introduction to spectrum analysis. Prerequisite, Physics 222 and Calculus.
- Sci. 475 *History of Physics* Credit 3 Hrs.
Development of Physics since Gallileo. Prerequisite, fourteen hours of college physics or consent of instructor.

DIVISION OF SOCIAL SCIENCES

Commercial Education and Business Administration Department

The aim of the Department of Commercial Education and Business Administration is to train teachers of Secretarial Science, to give basic training to bookkeepers and accountants. The Department of Business Administration also seeks to provide training in the fundamental principles and practices of business. Attention is given both to the practical and the purely scientific aspects of the problems treated.

A major in Business Administration consists of thirty hours of Business Administration:

MAJOR IN BUSINESS ADMINISTRATION

Principles of Economics	6 Hrs.	Marketing	3 Hrs.
Business Law	3 Hrs.	Money and Banking	3 Hrs.
Accounting	9 Hrs.	Labor Economics	3 Hrs.
Business Organization	3 Hrs.	Introduction to Sociology	3 Hrs.

Minor

Principles of Economics	6 Hrs.	Labor Problems	3 Hrs.
Money and Banking	3 Hrs.	Principles of Accounting	6 Hrs.

Major in Commercial Education

Typing	2 or 6 Hrs.	Accounting	9 Hrs.
Shorthand	2 or 6 Hrs.	Offices Training	1 Hrs.
Statistics	3 Hrs.	Prin. of Economics	6 Hrs.
Bus. Math.	3 Hrs.	Business Law	3 Hrs.
		Introduction to Sociology	3 Hrs.

Minor in Commercial Education

Typing	4 Hrs.	Accounting	6 Hrs.
Shorthand	4 Hrs.	Prin. of Economics	6 Hrs.

- B.A. 101 *Elementary Typewriting* Credit 2 Hrs.
This course covers a working knowledge of the use of 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 HHrs.
Continuation of 101.
- B.A. 111 *Elementary Shorthand* Credit 2 Hrs.
This course includes a study of word building and general principles outlined in 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 Hrs.
Continuation of 111.
- B.A. 201 *Advanced Typewriting* Credit 2 Hrs.
This is a course to develop personal skills. Work includes legal forms, letter writing, manuscript writing, stencil cutting and tabulation.
- B.A. 211 *Advanced Shorthand* Credit 2 Hrs.
These courses include 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.)
- B.A. 351 *Elementary Accounting* Credit 3 Hrs.
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 Hrs.
This is a training course in office appliances commonly used in the modern office, such as adding machines, mimeographs, filing equipment, etc. Students will be required to do practical work in the offices of the various departments of the college. One hour each week will be devoted to discussion of the various problems in connection with practical work. (Required of those who are planning to do secretarial work).
- B.A. 301 *Office Training* Credit 1 Hr.
This is a training course in office appliances commonly used in the modern office, such as adding machines, mimeographs, filing equipment, etc. Students will be required to do practical work in the offices of the various departments of the college. One hour each week will be devoted to discussion of the various problems in connection with practical work. (Required of those who are planning to do secretarial work).
- B.A. 311 *Business Organization and Finance* Credit 2 Hrs.
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.
- B.A. 312 *Investments* Credit 2 Hrs.
An analysis of types of stock and bonds and of the issues of selected corporations. Prerequisite, 311.
- B.A. 314 *Principles of Marketing* Credit 3 Hrs.
A general study of the main principles of marketing. Prerequisite, B.A. 311. (See Agriculture 372).

- B.A. 411 *Business Law* *Credit 3 Hrs.*
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 Hrs.*
Continuation of 411.
- B.A. 421 *Insurance* *Credit 3 Hrs.*
Exposition of the principles and practices of life and property insurance. Attention will be given to Negro insurance companies. Prerequisite, Soc. 326.
- B.A. 423 *Salesmanship* *Credit 2 Hrs.*
The principles of salesmanship and practical instruction in their applications. The development of the faculty of quick constructive thinking; wholesale, retail and specialty salesmen selection of talking points about offerings; finding prospects and securing interviews; methods of intensifying desires; meeting people and how to deal with them; cultivation of character and makeup of personality. (Elective)
- B.A. 425 *Real Estate* *Credit 2 Hrs.*
Property rights; the leasing and management of property; a study of office organization, property valuation financing and taxation. Some consideration is given to the development and present condition of the real estate business among Negroes. (Elective)
- B.A. 451 & 452 *Advanced Accounting* *Credit 3 Hrs.*
Study of advanced accounting theory. Student 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.

DEPARTMENT OF HISTORY

The aims of the department are as follows:

- (a) To train students in the interpretation and appreciation of historical data.
- (b) To acquaint students with the origin and development of historical events as basis for cultural growth.
- (c) To provide the student with a historical background in the light of which contemporary historical situations may be better understood.
- (d) To assist in preparing students for teaching positions.

Requirements for major: A minimum of thirty (30) hours inclusive of credits earned in four basic subjects or courses, two in European and two in American History.

Requirements for minor: A minimum of eighteen (18) semester hours inclusive of credits in the basic courses.

Courses 101, 102, and 202, 203 are basic courses required of all students who major or minor in history.

Courses Offered

- Soc. 101 *Modern European History 1500-1815.* *Credit 3 Hrs.*
A general course dealing with European History.

- Soc. 102 *Modern and Contemporary European History 1815-1940* Credit 3 Hrs.
A continuation of Course 101.
- Soc. 300 *History of Medieval Europe* Credit 3 Hrs.
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 national states near the end of the Middle Ages.
- Soc. 202 *American History 1492 to 1860* Credit 4 Hrs.
A survey of Colonial and American History to the election of Lincoln (1860). Not open to Freshmen.
- Soc. 203 *American History, 1860 to Present Time* Credit 3 Hrs.
A survey of economic, political, social and cultural development of the United States since 1860. Not open to Freshmen.
- Soc. 207 *Oklahoma History* Credit 2 Hrs.
- Soc. 302 *History of Latin America* Credit 3 Hrs.
A survey of the particular historical growth of Portuguese and Spanish American covering the period between the foundation years and the present. Prerequisite, course 202 or Junior standing.
- Soc. 303 *The History of the Negro in America* Credit 3 Hrs.
Study of the relations of the Negro to the varied problems which have developed since his advent in American life. Required of all majors.
- Soc. 304 *History of England to 1688* Credit 3 Hrs.
Study of the beginning and development of the English Nation with emphasis on the political, social and material progress up to the Revolution of 1688. Prerequisite, 101, or consent of Instructor.
- Soc. 305 *History of Great Britain and the British Empire 1688 to the Present Time* Credit 3 Hrs.
Continuation of course 304. Prerequisite, 304 or 102.
- Soc. 306 *Ancient Greece* Credit 3 Hrs.
Study of social, political, economic, intellectual and religious life of the Greeks with a view of indicating the valuable contributions of Ancient Greece to latter civilizations of the West. Open to Juniors and Seniors.
- Soc. 307 *History of Rome* Credit 3 Hrs.
Study of beginning development and expansion of the Roman people with emphasis on political government, legal and imperialistic aspects of the Roman people. Open to Juniors and Seniors.
- Soc. 400 *International Relations 1870-1940* Credit 3 Hrs.
Deals with the numerous problems and conflicting interests growing out of the relations and ambitions of the nation-States of the World. Prerequisite: Senior, majoring in History.
- Soc. 401 *The 16th Century Commercial Revolution* Credit 3 Hrs.
Study of commercial and financial activities and organization together with European organization of the overseas areas resulting largely from interest in

- markets and raw materials. Prerequisite, Senior with major in History.
- Soc. 402 *Recent Developments in European History 1914-1938* Credit 3 Hrs.
Study of Reconstruction period after the war and the destruction of the Treaty of Versailles together with the failure of the League of Nations and growth of international anarchy. Special treatment is accorded the functioning of the relations of these nations to world conditions. Prerequisite Course 102 or advanced standing.
- Soc. 403 *History of Civilization* Credit 3 Hrs.
- Soc. 404 *History of the Civil War and Reconstruction 1850 to 1876* Credit 3 Hrs.
A study that deals with the courses of the American Civil War, the war itself and the various problems resulting from the war, together with the numerous solutions suggested and tried in the South. Prerequisite, Course 202 or 203.
- Soc. 405 *Recent American History 1876-1936* Credit 3 Hrs.
A study of the development of the United States into a highly industrialized nation together with the forces that influenced and were influenced or generated by the Economic order. Prerequisite, Soc. 203.

Philosophy

Note: These courses, except 251, rotate triennially

- Soc. 251 *Introduction to Philosophy* Credit 3 Hrs.
An approach to philosophical problems through the study of selected thinkers in the history of philosophy.
- Soc. 252 *Introductory Logic* Credit 3 Hrs.
A study of the principles of inductions and deductions, with exercises in the analysis of arguments.
- Soc. 351 *Hist. of Ancient and Medieval Philosophy* Credit 3 Hrs.
- Soc. 353 *History of Modern Philosophy* Credit 3 Hrs.
- Soc. 3354 *Ethics* Credit 3 Hrs.
- Soc. 355 *Aesthetics* Credit 3 Hrs.

SOCIOLOGY

Students majoring in this department are ordinarily required to take courses 271, 273, 372, 375, and 472. Other courses required of majors are selected with the students' prospective interest in view. Students intending to major in Sociology are advised to take three hours of Political Science, 6 hours of Economics and 4 hours of American History, not later than the end of their junior year.

The department offers courses which will give training for service in the field of Social Work, (none of courses offered are professional), Social Science teaching, sociological research and community service.

The department of Sociology offers a number of courses which have been found profitable for those intending to specialize in law, medicine, teaching, business, or journalism.

Major: 30 hours. 3 hours of political science and 3 hours of Economics may be included in major.

Minor: 18 hours; 3 hours of political science and 3 hours of Economics may be included

- Soc. 271 *Introduction to Sociology* Credit 3 Hrs.
 This course is designed to orient the student in the Social Sciences and to give a working system of thought about society. Special emphasis on social interaction and its relations to personality and human behavior and the major social processes, including the different forms of social contact, isolation, competition, conflict, accommodation and assimilation are analyzed. Prerequisite to all courses except 273.
- Soc. 273 *Principles of Geography* Credit 2 Hrs.
 Man's adaptation to both his geographical and social-cultural environments. Emphasis on the geographical influences on man's cultural development. Principal geographical features, geographical factors in settlement and migration and man-made topography are analyzed.
- Soc. 371 *The Family* Credit 3 Hrs.
 The origin and growth of the family as a social institution. Family patterns, present day disorganization, current problems and theories of reform.
- Soc. 372 *Rural Sociology* Credit 3 Hrs.
 A study of social organization and processes involved in open country and village community life. Rural-Urban conflict and accommodation situations, social change as affecting the culture, organization, and status of rural groups.
- Soc. 373 *Social Pathology* Credit 3 Hrs.
 The disorganization of social groups especially, family, neighborhood and community and the concomitant personal demoralization, as involved in poverty, ill health, mental deficiency, delinquency, etc. Group study of special problems and visits to social agencies.
- Soc. 376 *Social Case Work* Credit 3 Hrs.
 An introduction to the theory and technique of Social Case Work, with emphasis upon principles common to various case work activities. This course is designed to be of service for teaching, ministry, and personnel management as well as professional social-work students. Visits to agencies and field work supplement lectures and discussions.
- Soc. 377 *Cultural Anthropology* Credit 3 Hrs.
 This course aims to cover the significant aspects of cultural development, including the phenomena of cultural changes and diffusion. Special studies of contemporary preliterate people; magic and religion, factors in the transition from tribal to civil society.
- Soc. 470 *Race Problems* Credit 2 Hrs.
 Social interactional situation and processes involved in racial contacts; special emphasis on Negro-White re-

- lations in the United States.
- Soc. 471 *Criminology* Credit 3 Hrs.
General survey of prevailing theories of crime, nature of the criminal and aim of punishment as reflected in criminal law. Group study and visits to courts and penal institutions.
- Soc. 472 *Development of Social Theory* Credit 3 Hrs.
A rapid survey of social philosophy from Plato to comte, followed by a more detailed examination of current sociological theories.
- Soc. 473 *Development of Social Work* Credit 3 Hrs.
Early beginnings of social work; evolution of objectives, techniques and agencies during the past half centuries. Possibilities of social-work approach to problems of persons and social adjustments; major types of social work and their organization.
- Soc. 474 *Urban Sociology* Credit 3Hrs.
Development of the Modern city and its function. Emphasis is placed on such progresses and trends as immigrations of populations, ecological changes within the city, urban institutional changes, effect of city life on personality, and programs of social action as manifest in city and regional planning, housing policies, and social organization.
- Soc. 476 *Advanced General Sociology* Credit 3 Hrs.
A critical analysis of sociological principles including a comparative estimate of the frames of references employed in outstanding systematic work, and the application of theoretical concepts to problems of research and social guidance. Prerequisite, 15 hours of social science includingw Sociology 271.

ECONOMICS

- Soc. 221 *Principles of Economics* Credit 3 Hrs.
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.
- Soc. 222 *Principles of Economics* Credit 3 Hrs.
Continuation of Soc. 221.
- Soc. 321 *Labor Problems* Credit 3 Hrs.
A study of the policies and methods of trade unionism and the movement toward industrial democracy.
- Soc. 322 *Labor Problems* Credit 3 Hrs.
Continuation of Soc. 321.
- Soc. 323 *History of Economic Thought* Credit 3 Hrs.
A study of economic practices and political policies and and their supporting theories.
- Soc. 324 *History of Economic Thought* Credit 3 Hrs.
Continuation of Soc. 323.
- Soc. 325 *Economic History of the United States* Credit 3 Hrs.
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.
- Soc. 326 *Money and Banking* Credit 3 Hrs.

GOVERNMENT

To minor in Government, one must have 18 hours of government.

Descriptive Title of Courses

- Soc. 240 *Introduction to American Government* Credit 3 Hrs.
This course is an introductory course dealing with the foundation of the American Government as outlined in the federal constitution: The separation of powers, the cooperation of the states and the National government. A thorough study of the powers, function and organization of the executive, the legislative, and the judicial department is given and how they function, the government of the territories are also considered. (This course is required before any other course in government may be taken).
- Soc. 241 *State Government* Credit 3 Hrs.
A study of the place and powers of the states in the United States, their organization and administration with special emphasis upon the government of Oklahoma.
- Soc. 340 *The Nature and Scope of Political Science* Credit 3 Hrs.
The subject matter of political science is analyzed and an effort is made to link up all political science with an effort is made to link up political science with all other social sciences. The different theories of the state functions are considered with the view toward understanding some of the present day theories and practices.
- Soc. 341 *American Constitutional Law* Credit 3 Hrs.
A study of the judicial powers to declare statutes unconstitutional, making and changing the constitution, general scope of fundamental guarantees, due processes of law, equal protection of the laws, implied powers, citizens and their obligations, police power, and leading constitutional decisions.
- Soc. 440 *Municipal Government* Credit 3 Hrs.
This is a study of the modern municipality with a survey of the chief current problems of cities. A general view of the functions, structure, and organization of city governments of the United States is given and a comparison is made with the cities of some of the European States.
- Soc. 446 *Governments of Europe* Credit 3 Hrs.
The principles, policies, organizations, and administration of the principal governments of Europe are here considered. This course is destined for those majoring in history, and minoring in government.

DEPARTMENT OF EDUCATION

The courses in this department deal with professionalized subject matter, teaching and supervision, the curriculum, and are planned to meet the needs of the teachers and prospective teachers in the elementary and secondary schools.

The required and other recommended courses for majors who are pursuing the Bachelor of Science degree in Elementary and Secondary Education and a life certificate are set forth in the curricula below.

TRAINING SCHOOL

The Training School Curriculum consists of the prescribed elementary subjects such as typing, home and fine arts.

The school is under the supervision of the department of Education. It serves as a laboratory wherein the best methods of teaching and management are demonstrated.

The director and the supervising teachers of the Training School are responsible for coordinating all Training School activities in such a way as to insure the maximum of benefit for pupils and student teachers.

Children are encouraged to enroll according to their educational age.

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| Ed. | 101 | <i>General Psychology</i> | <i>Credit 3 Hrs.</i> |
| | | This is a basic course in psychology and is designed to give a clear understanding om mental life. | |
| Ed. | 102 | <i>Educational Psychology</i> | <i>Credit 3 Hrs.</i> |
| | | In this course the laws of the psychology of learning are applied to the physical, mental, moral and social development of the self. Prerequisite, Ed. 101. | |
| Art | 102A | <i>Principles of Art</i> | <i>Credit 2 Hrs.</i> |
| | | For Elementary majors—paper cutting, clay modeling, handcraft, freehand drawing and penmanship. | |
| Ed. | 122 | <i>Problems of the Rural School</i> | <i>Credit 2 Hrs.</i> |
| | | A course designed for the teacher in rural districts. It acquaints the student with the problems and trends of thought in rural education. | |
| Ed. | 201 | <i>Gen. Methods & Mgr. & Okla. School Law</i> | <i>Credit 2 Hrs.</i> |
| | | This course will study general methods and management and Oklahoma School Law on the various school levels. Prerequisite, Ed. 101, 102. | |
| Ed. | 202 | <i>Specific Methods of Teaching Elem. Sub.</i> | <i>Credit 2 Hrs.</i> |
| | | In this course methods of teaching the basic skills, ideas and attitudes on the lower school level will be stressed. Prerequisite 201. | |
| Ed. | 222 | <i>Adolescent Psychology</i> | <i>Credit 2 Hrs.</i> |
| | | This course studies the problems of behavior and adjustment of the adolescent. Prerequisite, Ed. 101, 102. | |
| Ed. | 303 | <i>Nature Study and Science</i> | <i>Credit 2 Hrs.</i> |
| | | This course in Nature Study and Science and Elementary Science stresses the latest approach to the subject as an integrated subject. | |
| Ed. | 305 | <i>Methods in Reading English</i> | <i>Credit 2 Hrs.</i> |
| | | A course dealing with methods and materials best adapted to instruction in elementary Reading and English. Prerequisite, Ed. 201, 202. | |

- Ed.* 306 *Methods in Elementary Social Science* Credit 2 Hrs.
This is a course in the methods of teaching an integrated course in the social sciences on the lower and intermediate school levels. Prerequisite, Ed. 210, 202.
- Ed.* 307 *Methods in Arithmetic* Credit 2 Hrs.
This course teaches the latest methods of instruction in Arithmetic. Prerequisite, Ed. 201, 202.
- Ed.* 308 *Psychology of Childhood* Credit 2 Hrs.
A course dealing with the growth of the child from the points of its physical, mental, moral and social nature. Prerequisite, Ed. 102.
- Ed.* 310 *Educational Sociology* Credit 2 Hrs.
Social principles used in teaching. An attempt 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 2 Hrs.
A course which deals with the techniques of measurements, analysis and adjustment of the child. Prerequisite, Math. 230, Ed. 102.
- Ed.* 314 *Philosophy of Education* Credit 4 Hrs.
This course outlines and studies the ideas implied in a democratic society and their application. Prerequisite, 10 hours of Education.
- Ed.* 326 *Course for Teacher, Supervisors & Jeannes Teachers* Credit 3 Hrs.
In this course Jeannes' school methods and supervision will be stressed. This will count as credit for course 405 or 406. Prerequisite, Ed. 201, 202. Given summers only.
- Ed.* 392 *Apprentice Teaching in Secondary Schools* Credit 2 Hrs.
- Ed.* 396 *Methods in Adults' Education* Credit 2 Hrs.
Procedure. This course offers an opportunity to study the latest procedures of instruction on the secondary level. Prerequisite, Ed. 222.
- Ed.* 405 *Apprentice Teaching in Elem. Schools* Credit 2-6 Hrs.
For students who are seeking an elementary certificate. In this course students will do directed observation and practice teaching under the supervision of the Director of the Training School. Prerequisites, Ed. 201, 202.
- Ed.* 406 *Directed Teaching in the Elementary Field* Credit 6 Hrs.
(For Elementary majors who possess a satisfactory scholarship only) Observation and practice teaching will be done under the direct supervision of a critic teacher. Students will be required to do a minimum of nine weeks of observation and teaching in an off-campus school and at least nine weeks in the Training school. Prerequisites, Ed. 201, 202, 306, 307, 305.

- Ed.* 411 *Curriculum* *Credit 4 Hrs.*
In this course, the philosophy and composition of the curriculum at various levels, from the elementary school to the college, will be traced.
- Ed.* 423 *School Administration* *Credit 2 Hrs.*
In this course the facts and principles of school administration and supervision of the various levels will be studied.
- Ed.* 424 *History of Education* *Credit 4 Hrs.*
This course is a rapid survey of the whole evolution of Education in philosophy, organization, and procedure. Prerequisite, 10 hours of Education.
- Ed.* 431 *Psychology of the Unadjusted School Child and Youth* *Credit 2 Hrs.*
The aim of this subject is to teach the prospective teachers the science and art of mental hygiene, behavior, and personality integration as applied to the child and youth. Taken by permission only.
- Ed.* 450 *Principles of Secondary Education* *Credit 2 Hrs.*
This is an orientation course in the basic philosophy and art of the Secondary School.
- Ed.* 492 *Apprentice Teaching in Secondary Schools-Observation* *Credit 2 Hrs.*
Students in this course will supervise observation in the University High School class. Prerequisite, Ed. 392.
- Ed.* 493 *Apprentice Teaching in Secondary School* *Credit 2 Hrs.*
In the course students will do directed teaching in the University Secondary School. Prerequisite, Ed. 392, 492.
- Ed.* 495 *Practical Problems of the Principal and teacher* *Credit 2 Hrs.*
- Ed.* 496 *Lectures and Discussions* *Credit 1 Hr.*

ART DEPARTMENT

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.

- 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* *Credit 2 Hrs.*
Continuation of 101. Prerequisite, 101.
- Art* 107 *Perspective* *Credit 2 Hrs.*
Principles of perspective with the application of free-hand drawing of interiors and exteriors. Prerequisite 101.

DESCRIPTION OF COURSES

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Art	201	<i>Stile Life</i> Black and white and full color. All mediums. Prerequisite 101, 102.	<i>Credit 2 Hrs.</i>
Art	202	<i>Cast Drawing</i> Study of ornament parts of figure (charcoal). Prerequisite, 202.	<i>Credit 2 Hrs.</i>
Art	205	<i>Design</i> A study of the principles of design and color theory and creative development. Prerequisite 101, 107.	<i>Credit 2 Hrs.</i>
Art	207	<i>Design</i> Continuation of 205.	<i>Credit 2 Hrs.</i>
Art	209	<i>Poster</i> Study of decorative space filling and lettering. Prerequisite, 101, 102.	<i>Credit 2 Hrs.</i>
Art	211	<i>Poster</i> Continuation of 209. Prerequisite 101, 102.	<i>Credit 2 Hrs.</i>
Art	213	<i>Anatomy</i> A study of the human figure with emphasis in the bone muscle action. Open Art, Physical Training Majors.	<i>Credit 2 Hrs.</i>
Art	301	<i>Water Color, Still Life, Flowers</i>	<i>Credit 2 Hrs.</i>
Art	303	<i>Water Color</i> Continuation of 301.	<i>Credit 2 Hrs.</i>
Art	305	<i>Composition (Pictorial)</i> Theory of picture making (Black and White). Prerequisite 101, 102, 201, 215.	<i>Credit 2 Hrs.</i>
Art	309	<i>Pottery, Handbuilt Tile, Base, Book Ends</i>	<i>Credit 2 Hrs.</i> Prerequisite 101, 205.
Art	310	<i>Modeling and Sculpture</i> Prerequisite 309.	<i>Credit 2 Hrs.</i>
Art	311	<i>Applied Art Application of Design to Metal</i>	<i>Credit 2 Hrs.</i> Wool and other "decorative" materials.
Art	313	<i>Landscape Oil, Water Color, Pastel</i> Prerequisite 201, 301, 305.	<i>Credit 2 Hrs.</i>
Art	405	<i>History of Art Cultural Background of Western Europe</i> Europe to the Renaissance. Open to College students.	<i>Credit 2 Hrs.</i>
Art	407	<i>History of Art Since the Renaissance to American</i>	<i>Credit 2 Hrs.</i>

PHYSICAL EDUCATION

Courses 101, 102, 201, and 202 are required of all students

P.E.	101	<i>Freshman Floorwork</i>	<i>Credit 1 Hr.</i>
P.E.	102	<i>Advanced Freshman Floorwork</i> Continuation of 101.	<i>Credit 1 Hr.</i>
P.E.	201	<i>Sophomore Floorwork</i>	<i>Credit 1 Hr.</i>
P.E.	202	<i>Advanced Sophomore Floorwork</i> Continuation of 201.	<i>Credit 1 Hr.</i>

UNIVERSITY HIGH SCHOOL

Four is the average number of units permitted during any semester, except upon approval of the Principal.

NINTH YEAR			TENTH YEAR		
Subject	Periods	Per	Subject	Periods	Per
	Weeks	Units		Weeks	Units
English 1	5	1	English II	5	1
Mathematics 1	5	1	Mathematics II	5	1
General Science	7	1	European Hist.	5	1
Elect One			Elect One		
Home Ec.	10	1	Agriculture	10	1
Agriculture	10	1	Manual Training	10	1
Manual Training	10	1	Home Ec.	10	1
Total	27	4	Total	25	4

ELEVENTH YEAR			TWELFTH YEAR		
Subject	Periods	Per	Subject	Periods	Per
	Weeks	Units		Weeks	Units
English III	5	1	English IV	5	1
American Hist.	5	1	Algebra	2	½
Biology	7	1	Physics	7	1
Elect One			Elect One		
Agriculture III	10	1	Agriculture	10	1
Commerce	10	1	Commerce	10	1
Home Ec.	10	1	Trade	10	1
Trade	10	1	Total	27	4
Total	25	4			

HISTORY

High School

The following "outline" courses are designed to meet college entrance requirements, and at the same time give each student an appreciable knowledge of European and American History. For A and B together one unit is given.

A. *History of the American People.* American History to the Civil War (1492-1860). Treats of the origin of the American people; political, social, and economic development of the Colonial Period; the separation from Great Britain with consequent establishment of the constitution and of our federal form of government; the development of the American nation and the rise of national democracy under Jackson; sectional conflict, and the triumph of Nationalism; the Civil War.

B. The major topics studied are: Political and Economic readjustments following the Civil War; the New West, transportation and industrial development; the trust and tariff problems, changes in American life; American participation in the World War and problems growing out of it; the American foreign policy and its present-day problems.

A. History of Europe—European History of the Unification of Italy (1643-1850). Treats of France, Prussia and Russia becoming European powers; the reforms in Europe in the eighteenth century. The cause and results of the French Revolution; the activities of Napoleon Bonaparte; how he became the master of France; Europe from the Congress of Vienna to the Franco-Prussian War.

B. Reforms in Europe After the Franco-Prussian War (1866-1929)—Treats of the reforms of England, France and Germany after the Franco-Prussian War and before the World War. European History becomes World History; the twentieth century and the World War; readjusting the international relations and gestures toward World Peace.

ENGLISH

English I—The course is designed to lay a broad foundation of the general principles of English. It includes speaking and writing, building paragraphs, learning the function of words, the sentence at work, using capitals and pronunciation, mastering words, writing friendly and business letters and the study of classics.

English II—The objectives of this course are to teach pupils to organize their thoughts and to express them with clarity, freedom, originality, and effectiveness. To help pupils to enjoy good reading. To teach appreciation for good English through actual experience in trying to produce it. It includes building a composition, what is good composition, force and interest, paragraphs, sentences, argument, words, narration, description, oral expression, letter writing, reading and reporting, and the study of classics.

English III—The course is designed to arouse in the pupils an appreciation for the work of the founders of our nation. To show the beginnings of the various types of literature. To give the students a knowledge of the development of American poetry and an acquaintance with the individual poets and their work; to break down any prejudice held by students against poetry and build up an appreciation for it. It includes Colonial Period, Revolutionary Period, The New York or Knickerbocker Group, The New England Writers, The Western States, Contemporary Literature-Dramatists and Poets and the study of English and American Classics.

English IV—The course is designed to teach definite knowledge of the beginning and development of the literature and language acquaintance with the great writers and predominant literary types of each period, and appreciation of the best that each age produced. How to read and appreciate character, how to recognize objects and happenings of literary value in the world outside and how to protect their discoveries in a refined literary way. It includes, Anglo-Norman Period, Renaissance and Reformation Period, The Restoration Period, The Earlier Eighteenth Century, Middle and Later Eighteenth Century, Triumph of Romanticism, Victorian Era, Twentieth Century Writers, and The Study of English Classics.

High School Mathematics

The courses in high school mathematics are designed to teach the student to think quantitatively, to instill an appreciation of the usefulness, power, and beauty of mathematics and the essential part it has played in the development of civilization, and to prepare for further work in mathematics.

Algebra I—This course is required of all first year high school students. The course covers the literal numbers and formulas; the four fundamental operations; simple equations; trigonometry, and variation. The course requires 36 weeks.

Plane Geometry—The object of this course is to give the student a working knowledge of geometric facts and processes essential to the solution of present day practical problems, and to encourage a critical attitude toward statements made without adequate foundation. The course covers fundamental ideas and constructions, congruent triangles, parallels and parallelograms, circles, and regular polygons, etc. (1 unit credit).

The course requires 36 weeks and is required of second year high school students. (1 unit credit).

Algebra II—This course is offered to third and fourth year students who have completed at least a year of algebra. The course covers review of fundamental operations, fractional equations, functional relations, linear system, square root and quadratic surds, exponents and radicals, logarithms, progression, trigonometry, etc. (one half unit).

Business Arithmetic—The object of this course is to stimulate interest in the use of arithmetic in private, business and civic affairs, to develop a better understanding of business and industrial procedure in arithmetic.

The course covers Roman notation and United States money. Aliquot parts, the four fundamental operations, percentage, interest, business investment, special class of problems, graphs, banking, carpentering, painting, roofing, farm problems, etc.

High School Music

The department of music continues through three years of high school, the senior year given entirely by choral and glee club singing. The first three years are utilized in theory in order to develop a love for an appreciation of good music.

Talented pupils are observed and encouraged. Only pupils who read well at sight are permitted to join the high school chorus and glee clubs unless they have exceptional good voices.

Natural Sciences

10. General Science—First year high school, seven hours per week throughout the year. The course is intended to start the student upon a systematic study of the useful sciences. Credit 1 unit.

11. Physics—Third year high school, seven hours per week throughout the year the branches of physics are presented, stress in the application of the physical principals to everyday use. Laboratory work is outlined to give the student drill in exact measurements. Credit 1 unit.

12. Chemistry—Fourth year high school, seven hours per week throughout the year. A systematic study of the chemistry contracted in every day life. Laboratory work covering the required experiment is carried out by each student. Credit 1 unit.

EXTENSION AND CORRESPONDENCE DEPARTMENT

General Information

W. H. Slaughter, Jr., Director

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 particular 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 Extension and 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 tuition is \$5.00 per credit hour. This does not include text or stationery. The instruction sheet gives information as to the authors, publishers and price of material.

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. It is advisable to begin the work with the fall term. However, students may enter at any time previous to the beginning of the spring term.

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.

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 opening of summer school.

Students with sixty (60) or more semester hours of credit in the institution should have the approval of the director of the Extension Division and the Dean of the College, if the hours taken in this division are to be accepted on 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.

Examination 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.

Not more than eight (8) semester hours of work may be taken during any one academic year (this is between September 1 and May 1 or during the time a student may earn thirty hours).

Arrangements may be made with University librarian for the use of such reference books as are not on the "Reserve List".

Education

Ed. 101 General Psychology	3 Hrs.
Ed. 102 Educational Psychology	3 Hrs.
Ed. 308 Psychology or Childhood	2 Hrs.
Ed. 222 Adolescent Psychology	2 Hrs.
Ed. 411 Curriculum Making	4 Hrs.
Ed. 424 History of Education	4 Hrs.
Ed. 450 Principles of Secondary Education	2 Hrs.
Ed. 202 Specific Methods	2 Hrs.

English

M.L. 101 English Composition	3 Hrs.
M.L. 102 English Composition	3 Hrs.

M.L. 223 English Literature	3 Hrs.
M.L. 224 English Literature	3 Hrs.
M.L. 301 American Literature	3 Hrs.
M.L. 302 American Literature	3 Hrs.
M.L. 423 Romantic Movement in English Literature	3 Hrs.
Economics	
Soc. 221 Principles of Economics	3 Hrs.
Soc. 222 Principles of Economics	3 Hrs.
Science	
Sci. 157 Hygiene, Personal	2 Hrs.
Sci. 257 Hygiene, Community	2 Hrs.
Mathematics	
Math. 101 College Algebra	3 Hrs.
Math. 104 Solid Geometry	2 Hrs.
Math. 106 Trigonometry	3 Hrs.
Math. 204 Analytics	4 Hrs.
History	
Soc. 101 European History (Modern Europe)	3 Hrs.
Soc. 102 European History (Contemporary Europe)	3 Hrs.
Soc. 202 History of the United States (Colonial)	4 Hrs.
Soc. 203 History of the U. S. (from 1860 to present)	3 Hrs.
Soc. 207 History of Oklahoma	2 Hrs.
Soc. 303 History of the Negro	3 Hrs.
Soc. 304 English History	3 Hrs.
Soc. 305 English History	3 Hrs.
Government	
Soc. 240 American Government	3 Hrs.
Soc. 241 Government of Oklahoma	3 Hrs.
Sociology	
Soc. 271 Introduction of Sociology	3 Hrs.
Soc. 372 Rural Sociology	3 Hrs.
Agricultural	
Ag. 105 General Agriculture	2 Hrs.
Art	
Art 101 Principles of Art	2 Hrs.
Art 103 Principles of Art	2 Hrs.
Art 107 Perspective	2 Hrs.
Art 205 Design	2 Hrs.
State Required Subjects	
Soc. 207 Oklahoma History	2 Hrs.
Ed. 1 Oklahoma School Law	1 Hr.
Ag. 105 Agriculture	2 Hrs.

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