

Bulletin of

CAMERON

*State Agricultural
College*

CATALOGUE ISSUE

**ANNOUNCEMENTS
for 1958-59**

Lawton, Oklahoma

Volume 49



BULLETIN OF
CAMERON STATE AGRICULTURAL
COLLEGE

CATALOGUE ISSUE

1957-58



A junior college officially accredited by the Oklahoma State
University, University of Oklahoma, State Department of
Education and other Standardizing Agencies.

Member of the American Association of
Junior Colleges

ANNOUNCEMENTS FOR 1958-59

Lawton, Oklahoma

Vol. 49

COLLEGE CALENDAR

FIRST SEMESTER

1958-59

Aug. 25-30	Pre-Enrollment
Sept. 7	Dormitories open 1:00 P.M.
Sept. 8- 9	Freshman Orientation (Required of all Freshmen)
Sept. 9	Registration of Sophomores not Pre-enrolled 8:00 A.M.
Sept. 9	Registration of Freshmen not Pre-enrolled 1:00 P.M.
Sept. 9	"Y" Mixer 7:00 P.M.
Sept. 10	Classwork begins 8 A.M.
Sept. 10	Late enrollment fee effective 8 A.M.
Sept. 10-11	Night class enrollment 7:00 P.M.
Sept. 19	Last Day for Schedule Changes
Sept. 20	End of 80% Refund Period—12 Noon
Nov. 6- 7	Mid-Term Examinations
Nov. 26	Thanksgiving Recess begins 5:00 P.M.
Dec. 1	Classwork resumed 8 A.M.
Dec. 19	Christmas Recess begins 5:00 P.M.
1959	
Jan. 5	Classwork resumed 8:00 A.M.
Jan. 12-13	Night class enrollment 7:00 P.M.
Jan. 20-23	Semester examinations

SECOND SEMESTER

Jan. 26-27	Registration 8:00 A.M.
Jan. 28	Classwork begins 8:00 A.M.
Jan. 28	Late Enrollment fee effective 8:00 A.M.
Feb. 6	Last day for schedule changes
Feb. 7	End of 80% refund period 12 Noon
Mar. 18-19	Night class enrollment 7:00 P. M.
Mar. 26-27	Mid-Term Examinations
Mar. 27	Mid-Semester Recess begins 5:00 P.M.
Mar. 31	Classwork resumed 8:00 A.M.
May 20	Honors Day
May 24	Baccalaureate
May 25-28	Final Examinations
May 29	Commencement
June 1- 2	Summer Night class Enrollment

1959-60

Aug. 24-29
Sept. 6
Sept. 7- 8
Sept. 8
Sept. 8
Sept. 8
Sept. 9
Sept. 9
Sept. 9-10
Sept. 18
Sept. 19
Nov. 5- 6
Nov. 25
Nov. 30
Dec. 18
1960
Jan. 4
Jan. 11-12
Jan. 19-22

Jan. 25-26
Jan. 27
Jan. 28
Feb. 5
Feb. 6
Mar. 16-17
Mar. 24-25
Mar. 25
Mar. 29
Mar. 18
May 22
May 23-26
May 27
May 31-
June 1



Administration Building

CAMERON STATE AGRICULTURAL COLLEGE

State of Oklahoma

RAYMOND GARY Governor

Officers of Administration

CLARENCE L. DAVIS President
 GORDON L. PAINE Dean of Administration and Registrar
 JAMES TAYLOR Guidance Director and Dean of Students
 VAL DELORIS MAPLES Dean of Women
 OSCAR C. ELKINS Chief Clerk
 ODETTA DALTON SIMMONS Assistant Chief Clerk
 LODELL GOOCHEY Recorder
 ADELE BLACK and BETTY DURHAM Secretaries
 MRS. C. C. HIGHTOWER, R. N. School Nurse

Board of Regents For The Oklahoma

A. & M. Colleges

FRED DRUMMOND, Chairman Hominy
 ROY T. NALL, Vice-Chairman Boise City
 P. E. HARRILL, Secretary Oklahoma City
 O. L. LACKEY Okmulgee
 EARL RUSSELL Duncan
 ELMER HARBER Shawnee
 WILLIAM R. WILLIAMS Altus
 HAROLD HUTTON Oklahoma City
 AMOS K. BASS, Jr. Durant
 FORREST McINTYRE, Administrative Assistant Oklahoma City
 THELMA WOODSON, Executive Secretary Stillwater

Oklahoma State Regents for Higher Education

M. A. NASH, Chancellor GUY M. HARRIS, Ardmore
 T. G. SEXTON Administrative Assistant WHARTON MATHIES, Clayton
 DR. CLAUDE CHAMBERS, Seminole JOHN RODGERS, Tulsa
 WILLIAM DEE LITTLE, Ada S. A. BRYANT, Cushing
 J. H. JOHNSTON, Lawton CLEE O. DOGGETT, Cherokee

INSTRUCTIONAL STAFF

CLARENCE L. DAVIS

B.A. (Southeastern State College), M.S. (Oklahoma State University),
 Graduate Study (Oklahoma State University); President; 1957.

GORDON L. PAINE

B.A., M.S. (University of Oklahoma), Graduate Study (University of
 Oklahoma and University of Texas); Dean of Administration and
 Registrar; 1948.

JAMES TAYLOR

B.A. (Southeastern State College), M.Ed. (University of Oklahoma);
 Director of Guidance and Dean of Students; 1957.

VAL DELORIS MAPLES

B.S. (Southeastern State College), Graduate Study (University of Okla-
 homa); Physical Education, Art, and Dean of Women; 1957.

D. HERSCHEL BOYDSTUN

B.S. (Oklahoma State University), Graduate Study (Oklahoma State
 University); Animal Husbandry; Head of Division of Agriculture;
 1950.

WILLIAM J. BECKER

B.A. (Bethel College), M.A. (University of Oklahoma), Graduate Study
 (University of Oklahoma); English and Journalism; Head of Divis-
 ion of Arts and Sciences; 1933; 1944.

BLANCHE BEAVERS

B.S. (Oklahoma College for Women), M. Com. Ed. (University of Okla-
 homa), Graduate Study (University of Texas and University of
 Oklahoma); Head of Division of Business Administration; 1942; 1947.

N. L. TINSLEY

B.S., E.E. (University of Kansas), M.S. (University of Oklahoma); Head
 of Division of Engineering; 1942.

ALLIE D. SWACKHAMMER

B.A. (State University of Kansas), M.S. (Oklahoma State University),
 Graduate Study (Iowa State College); Head of Division of Home
 Economics; 1948.

LIEUTENANT COLONEL SAM J. BRADLEY

(Birmingham-Southern College); Ass't PMS&T; 1955.

CLYDE BARBEE

Instructor in Metal Shop and Welding; 1947.

HELEN V. CARNEY

B.S. (Washburn College), M.A. (University of Kansas); Mathematics;
 1912.

MILLARD M. CARTER

B.A., Ed. M. (University of Oklahoma); Mathematics and Physics; 1955.

ROSS D. COMPTON

B.S., M.S. (North Texas State College); Chemistry; 1957.

BENNE BERNICE DANIEL*

B.A. (Oklahoma College for Women), M.A. (University of Michigan); Speech; 1953.

CHARLIE A. DEAN

B.S. (Midwestern University), Graduate Study (Eastern Washington College of Education); History, Biology, Assistant Football Coach, Baseball Coach; 1955; 1957.

1/LT. JEPHTHA W. DALSTON

B.A. (Texas A. & M. College) Ass't PMS&T; 1956.

HELEN D. ELLIOTT

B.A. (McPherson College), M.A. (University of Kansas), Graduate Study (University of Oklahoma, University of Southern California); History and Government; 1940.

KATHLEEN ANNE HALEY

B. Mus., M. Mus. (Michigan State College); Music Theory, Piano; 1953.

JESSIE MAY HINES

B.A. (Central State College), M.A. (Oklahoma State University); English; 1946.

A. L. JACKSON

B.A. (Oklahoma Baptist University), M.A. (University of Oklahoma), Graduate Study (University of Illinois); Sociology and Psychology; 1928.

T. VERLE JONES

B.A. (Hardin Simmons University), M.A. (Columbia University), Graduate Study (University of Chicago, University of Colorado, University of Oklahoma); English; 1946.

MARY BETH KOESTER

B. S. Com. Ed. M. Bus. Ed. (University of Oklahoma) Shorthand, Typing; 1958.

DAVID M LANDRUM

B.S. (Northeastern State College), M.S. (Oklahoma State University); Business Administration; 1958.

ODEAL LOCKE

B.A., M.A., B.A. in Lib. Sc. (University of Oklahoma); Librarian, English; 1957.

JENNIE M. O'DONNELL LOWE

B.A., B.S. (East Central State College), M.A. (University of Oklahoma), Graduate Study (Oklahoma State University and University of Southern California); Biological Sciences; 1947; 1952.

WILLIAM M. McMURTRY, JR.

B.M. (Oklahoma State University), M. Mus. Ed. (University of Oklahoma), Voice, Instrumental Music, Band; 1958.

LEROY MONTGOMERY

B.S. (Midwestern University); Director of Physical Education; Head Football Coach, and Military Property Custodian; 1953; 1955.

MALCOM OSWALT

B.A. (Southwestern Institute of Technology), M. Ind. Ed. (University of Oklahoma); Engineering; 1946.

TED L. OWENS

B.S. (University of Oklahoma), Graduate Study (University of Oklahoma); History; Basketball Coach; 1956.

ROBERT CRAIG PIERSON

B.A. (Oklahoma State University), M.A. (Midwestern University); English and Speech; 1956.

LAMEDA ROBERTSON

B.A. (University of Oklahoma), Graduate Study (University of Oklahoma); Modern Languages, English; 1957.

M/Sgt. DAVID J. SCHULER

Instructor in Military Science; 1957.

BERNARD G. SHARP

B.S. (East Central State College), Graduate Study (University of Oklahoma); Mathematics; 1957.

CAPTAIN JOSEPH L. SOMERS

B.S. (Utah State University); Ass't. PMS&T; 1957.

M/Sgt. JOHN D. SWENTY

Instructor in Military Science; 1957.

E. R. THOMPSON

B.S. (Oklahoma State University); Dairy and Poultry; 1947.

ROBERT R. TINNEY

B.S. (Northeastern State College), M.S. (Oklahoma State University); Mathematics; 1957.

DOROTHY TOBIAS

B.S., M.S. (Oklahoma State University), Graduate Study (Vanderbilt, University of Oklahoma); Chemistry; 1943.

FRANCES WRIGHT

B.A. (Oklahoma College for Women), M.A. (University of Oklahoma),
Graduate Study (University of Oklahoma); History; 1947.

Instructor in Agronomy—yet to be selected

Instructor in Biology—yet to be selected

Instructor in English & Speech—yet to be selected

STANDING COMMITTEES OF FACULTY

ADMINISTRATIVE COUNCIL: Clarence Davis, Chairman; Gordon Paine, James Taylor, Val Maples, Blanche Beavers, W. J. Becker, Herschel Boydston, Lt. Col. Sam J. Bradley, N. L. Tinsley, Allie D. Swackhammer.

ADMISSIONS: Gordon Paine, Chairman; James Taylor, Helen Elliott.

CURRICULUM: Jessie May Hines, Chairman; Blanche Beavers, Herschel Boydston, Jane Lowe, N. L. Tinsley.

DISCIPLINE: James Taylor, Chairman; Val Maples, Jane Lowe, E. R. Thompson, Wilson Shoffner, Tess Witt.

INSTRUCTION: W. J. Becker, Chairman; David Landrun, Dorothy Tobias.

LIBRARY: Odeal Locke, Chairman; Ross Compton, T. Verle Jones, Mary Beth Koester, Malcolm Oswalt, Herschel Boydston, Allie D. Swackhammer, Frances Wright.

SOCIAL COMMITTEE: Val Maples, Chairman; Ross Compton, William M. McMurtry, Allie Swackhammer, Lameda Robertson, Robert Tinney.

*On leave of absence during 1958-59.

GETTING ACQUAINTED WITH THE COLLEGE

PURPOSE OF THE COLLEGE

Cameron State Agricultural College recognizes all individuals as having their values in a democratic society. It is the purpose of the College to assist students with varying levels of ability and diverse backgrounds in developing skills, values, and attitudes necessary for their effective living.

Under the preceding general policy, the College places particular emphasis on its being a means of furthering the growth and progress of the state of Oklahoma and the great Southwest to which it belongs. In carrying out its specific function of training students in their development of self-realization of responsibility to their community, the College offers instruction in the Divisions of Agriculture, Arts and Science, Engineering, Business, and Home Economics.

CAMERON'S HISTORY

The history of Cameron State Agricultural College corresponds to the history of the territory which it serves; early-day residents of southwestern Oklahoma vigorously demanded and supported plans for equalizing educational opportunities for their children. Since high schools, few in number, were often located in remote areas, many students desiring higher education were denied the opportunity because of the lack of facilities and economic factors. The history of Cameron reflects this pioneer desire.

On May 20, 1908, the State Legislature of Oklahoma created six district agricultural schools of a secondary grade for instruction in agriculture and mechanics and allied branches in each of the Supreme Court Judicial Districts. The law stated that for each school established no less than eighty acres of land would be provided without cost to the State. These schools were to be under the administration of the State Commission of Agriculture and Industrial Education.

Realizing the need of and desiring a school of this type in Lawton, a group of business men, working with the Chamber of Commerce purchased 160 acres of land two miles west of the City and presented it to the State as an inducement to the State's locating the school at Lawton.

Cameron State School of Agriculture, named for E. D. Cameron, then State Superintendent of Schools, was located temporarily in the basement of a Lawton business building. In September, 1909, the school opened with a faculty of six members and a student body of one hundred and eight students. In December, 1910, the Institution moved into a three-story brick building on the present site of Cameron College.

Junior college work was added by an act of the Legislature passed on March 24, 1927, at which time the name of Cameron State Agricultural College was adopted, and control of the school was given to the State Board of Agriculture. During the period from 1927 to 1940, both high school courses and college work were offered, with the first junior college graduation occurring in 1929. In 1940, all high school work was discontinued, and Cameron assumed its present status as a two-year junior college. Operating under the Oklahoma State System of Higher Education since 1941, the college has continued to implement its pioneer heritage.

LOCATION

Cameron's campus is located at the western edge of the city of Lawton. This city of 57,000 people is approximately 100 miles southwest of Oklahoma City. The city is served by the Frisco Railroad, U. S. Highways 62 and 277 and State Highway 7 with excellent Bus connections in all directions. Central and Continental Airlines have a total of eight flights daily into Lawton.

ADVANTAGES

1. At Cameron, students may take their first two years of College work which will adequately prepare them to meet the necessary requirements for the upper division specifications in a university or senior college.
2. The small enrollment at Cameron State Agricultural College, as compared with that of a university or most senior colleges, makes possible a close relationship between students and instructors.
3. The transitional period between high school and the junior college is a more natural and gradual adjustment than it is at a four-year college.
4. The College not only offers room and board at a low cost but general fees are small. There is no tuition charge.
5. Cameron State Agricultural College provides through the Reserve Officers Training Corps, a two-year basic program in Military Science.
6. Lawton is the largest and fastest-growing city in the state of Oklahoma in which any state-supported institution is located; for those students who find it necessary to work in order to attend college, Lawton and near-by Fort Sill offer a greater variety of job opportunities at a higher wage than do most college communities.
7. The Wichita Mountains Wild Life Refuge, located near Lawton, offers many attractive recreational advantages for Cameron State Agricultural College students.
8. The City of Lawton offers Cameron students many opportunities to hear outstanding personalities in the various branches of the arts.

9. At Cameron, the student, while doing his first two years' work at a junior college, is an upper classman. He has better opportunities to develop leadership and is not engulfed by the crowded conditions experienced in the student body of the senior college.

MAJOR OBJECTIVES

1. To bring youth into maturity of thinking and learning.
2. To develop in all students, by means of a well-organized program of general education, social intelligence, a sense of responsibility, personal culture, interest in moral and spiritual values, worthy citizenship, and a wholesome family life.
3. To provide the first two years of preparation for students who intend to complete a four-year liberal arts education.
4. To furnish pre-professional guidance and instruction for students who plan to further their education by continuing professional study in institutions of higher learning.
5. To give information and to develop techniques, in so far as funds and facilities permit, that will develop occupational competence for students who intend to enter the commercial and industrial world.
6. To extend to adults a continuing educational program that will meet the needs of the community.
7. To counsel students in choosing courses that will develop character, mental vigor, and economic efficiency.
8. To provide education that will enable students to grasp the present trend of scientific thought.
9. To provide a program in physical education that will aid in building body and character as desirable adjuncts to the developing of mental qualities.

BUILDING AND FACILITIES

THE ADMINISTRATION BUILDING, a modern three-story brick fireproof structure constructed in 1929, is situated in the center of the campus. The building houses the administrative offices, classrooms, physics laboratories, faculty offices, the Division of Agriculture, and the Division of Business.

THE COLLEGE LIBRARY, with a capacity of 15,000 volumes, now houses a general collection of over 8,000 books, numerous pamphlets and government documents, ninety periodicals, and five daily newspapers. Located in the south wing of the Administration Building, it has a reading room capable of seating one hundred persons, two floors of stacks, a room for the precessing of books, and an office. In accordance with modern library practice, the books are arranged on the open-shelf plan which enables students to browse at will and thus to become acquainted with the entire collection.

THE SCIENCE-HOME ECONOMICS BUILDING, completed in the spring of 1951 and housing the Division of Home Economics and the departments of chemistry and biological sciences, is a modern two-story fire-proof building located immediately west of the Library.

THE COLLEGE AUDITORIUM AND MUSIC CLASSROOM BUILDING, a modern two-story, air-conditioned fireproof structure north of the Administration Building, was completed in the spring of 1953 and has a seating capacity of 800. A class-room wing of the building houses music class rooms, practice rooms, and a band room.

THE SHOP BUILDING, one-story brick building located northwest of the Administration Building, houses the engineering shops.

THE GYMNASIUM, a 140x140 modern Physical Education Building of brick, concrete and steel construction completed in March of 1957, has a seating capacity of 1800 by means of individual opera-type seats. The plant contains a large basketball court, room for boxing, boys' and girls' dressing rooms, store rooms for various athletic equipment, three large class rooms, and offices for the Physical Education staff.

REINWAND HALL, a one-story brick building northeast of the Administration Building, houses the Military Department.

NORTH HALL, a two-story brick dormitory located north of the College Auditorium, accommodates eighty men.

SOUTH HALL, a two-story brick dormitory southeast of the Administration Building, houses eighty men.

WEST HALL, a two-story brick dormitory west of the Administration Building, accommodates eighty men.

CAMERON HALL, a two-story brick dormitory, south of the Library Building, houses one hundred women.

THE MARRIED STUDENT HOUSING UNIT, situated at the southeast edge of the campus, provides twenty apartments for housing married students.

THE COLLEGE CAFETERIA, located in the east wing of Cameron Hall, has a seating capacity of three hundred. The cafeteria serves organization banquets and provides a meeting place for social functions in addition to its daily functions of serving students.

JED JOHNSON HALL, a one-story native-stone building erected by the National Youth Administration on a site west of the Administration Building furnishes five apartments for faculty members.

THE COLLEGE INFIRMARY, a modern fifteen bed infirmary on a site west of Cameron Hall, contains a reception room and clinical offices.

THE COLLEGE BOOKSTORE, operated by the Student Christian Association, is located on the second floor of the Administration Building.

THE CAMERON COLLEGE FARM, composed of 510 acres of farm land, is equipped with modern stock barns, a pasteurization plant, and a poultry plant. The College maintains herds of registered Holstein and Hereford cattle, Durock-Jersey swine, Hampshire sheep, and flocks of poultry.

THE PRESIDENT'S HOME, a one-story brick house, is located south of the Administration Building.

THE CHIEF CLERK'S HOME, a one-story brick house, is located east of the President's Home.

SERVICES AND EXPENSES TO STUDENTS

COUNSELING AND GUIDANCE

The Guidance Director, assisted by the Dean of Women, the Dean of the College, Heads of Divisions and Advisors provide a program of helpful guidance. Their goal is to help every student attain maximum development in leadership, social adjustment, and academic advancement through personal and group counseling. Each new Freshman is given counseling and guidance tests for self-evaluation. These tests are designed to check on the students' preparation and indicate the field in which he is most likely to succeed. The Division Heads, at the beginning of each school year, assign an advisor to each Freshman. The advisor assists the student in his choice of a curriculum and counsel with him about his college work and related problems.

The college also provides a special testing and counseling service for high school seniors, by appointment, during the months of June and July. The purpose of this service is to evaluate the student's preparation interest, ability, and aptitude and to assist him in choosing a college and course of study. Requests for information concerning this service should be addressed to the Director of Guidance, Cameron College, Lawton, Oklahoma.

SCHOOL SCHOLARSHIPS

The Oklahoma State Regents for Higher Education have authorized each institution in the state system of higher education to give scholarships consisting of fee remission in an amount not exceeding one-half of one percent of the institution's operating budget. Request for information concerning these scholarships should be addressed to: The Director of Guidance, Cameron College, Lawton, Oklahoma.

REHABILITATION SCHOLARSHIPS

The State Board for Vocational Education, through the Vocational Rehabilitation Division offers payment of tuition and other services to civilian students who have certain physical handicaps, provided the vocational objective selected by the student has been approved by a representative of the Division. Application for Vocational Rehabilitation should be made to the Vocational Rehabilitation Office, 1141 North Robinson, Oklahoma City Oklahoma.

STUDENT EMPLOYMENT

Cameron State Agricultural College offers employment to a limited number of students each year in the dining hall, laboratories, offices, dormitories, farm and barn. While it is impossible to give employment to all students who apply, it is the policy of the school to assist as many of these students as possible enabling them to contribute toward the cost of their college education.

Numerous citizens of Lawton employ Cameron students on a part-time basis about their homes and various businesses. It is possible for most students needing financial assistance to obtain some work either at the college or in the city of Lawton. Every effort is made to find places and systematize the assigning of students jobs so that the largest possible number of students can be helped.

While some limitations are placed on the total amount that any student may earn a month from the college, the amount to be earned does depend upon the student's class schedule and upon the degree of faithfulness and energy with which he preforms his assigned task. Students must maintain a grade point average of at least 1.5 to continue in school jobs.

Wherever possible students are assigned employment for which they are best suited. First preference is given to students of Southwest Oklahoma in the job assignment. All work assignments are to be made by a committee of the faculty. Please request student Employment Application blanks from the office of the Director of Guidance, Cameron College, Lawton, Oklahoma.

STUDENT LOAN FUNDS

In general it is the feeling at Cameron that it should not be necessary nor is it wise for freshman students or for most sophomores to borrow money on which to attend college. With the job opportunities in Lawton as good as they are students who need help financially may obtain it through part-time work rather than through borrowing. Again it is felt that if a loan must be negotiated to complete the college course, it would be much better to use it only in the last year of college, or two years, if necessary, so that the amount to be repaid would be much smaller.

However, two small loan funds have been made available to Cameron students who find that route necessary. Information concerning these two funds follows.

THE BUSINESS AND PROFESSIONAL WOMEN'S CLUB OF LAWTON has made available to freshman and sophomore girls of Cameron College a loan fund. Application is made to the chairman of the Educational Committee of the club.

THE LAWTON ROTARY CLUB has a fund available to students of sophomore standings. Application is made to the president of the club.

FEES AND EXPENSES

The necessary expenses of attending Cameron are comparatively small. Expenses for board are held to a minimum depending upon cost of food and handling.

"So far as space is available in college dormitories, the construction of which was furnished in whole or part by the United States of America, students attending this college will be required to reside in said dormitories in preference to other dormitories or residential facilities; provided that exceptions from this ruling may be made in the cases of students wishing to reside at home."

FEES—The following fees have been established by the Oklahoma State Regents for Higher Education for Cameron State Agricultural College.

GENERAL FEES:

Regular Semesters ----- per semester hour \$ 3.25
No Maximum-No Minimum

The following non-resident fee is charged to out-of-state students in addition to the general fees:

NON-RESIDENT FEES:

Regular Semester ----- \$96.00

All except bona fide residents of Oklahoma must pay a non-resident fee in addition to the other fees.

The residence of a student is that of his parents or of his guardian unless he can show reason why his residence should not be so defined.

It is assumed that students know their correct residence status and that on their application and registration blank they state truthfully the facts concerning it. Students in doubt should request clarification by writing the Registrar, in advance of registration.

NIGHT CLASSES:

Courses that are primarily lecture ----- Per semester hour \$ 6.00
Shop and courses primarily laboratory ----- Per course \$30.00

Courses regularly offered will be offered as night classes provided sufficient enrollment is obtained.

SPECIAL SERVICES FEES:

Late enrollment fee (dependent on number of days late) \$1 to \$4.00

Add Fee (Effective the eleventh day of each semester) ----- .50

Drop Fee (Effective the eleventh day of each semester) ----- .50

Auditing Fee ----- Per semester hour 1.00

Graduation Fee ----- 6.00

Transcript (After first copy) ----- 1.00

The following refund policy has been established, applicable to general fees, when a student withdraws from school.

Those who withdraw first two weeks ----- 80% refund

Withdraw 3rd and 4th weeks ----- 50% refund

Withdraw 5th and 6th weeks ----- 25% refund

Thereafter ----- No refund

Night classes ----- No refund

Individual classes ----- No refund

No refund will be made on room rent except in case of death or withdrawal of student because of sickness prolonged for more than twenty days. No refund will be made on board except when student is absent on account of sickness for a period of one week or more.

LIVING EXPENSES—Room and board costs for students living in the dormitories are as follow:

Room rent (per semester) approximately ----- \$ 56.00

Board (per semester), meals five days per week ----- \$128.00

Board (per semester), meals seven days per week ----- \$152.00

Room and board are payable in advance. Arrangements for payments on other than semester basis may be made.

Students living in the dormitories are required to take their meals in the college dining hall. The college reserves the right to change at any time the charge for board if any food prices necessitate or permit a change. A meal ticket may be used only by the person purchasing the ticket. Its use by any other person will cause forfeiture of the ticket.

A five dollar (\$5.00) deposit is required for room reservations. If the student finds that he will be unable to attend school, a refund will be made provided notification is given prior to a two weeks' period be-

fore school starts. The five dollars (5.00) deposit or trust fund, less actual loss or breakage caused by the student will be refunded at the end of the school year. Two students are assigned to each room. Each must furnish his or her own linens, towels, pillows, and blankets. Beds are twin-beds size.

REGULATIONS FOR DORMITORIES—Rules and regulations governing the dormitories will be administered by the dormitory supervisor in charge. Such rules will be posted in the rooms of said dormitory.

DAMAGE TO PROPERTY—A student will be held individually responsible for all property in his room and that assigned to him in connection with his work. Damage to doors, windows, etc., will be charged to him unless he submits proof to the president that he was not responsible for the damage.

ROOMS OFF CAMPUS—A list of approved rooming houses in Lawton will be kept by the Dean of Students. The students are required to select from such list in consultation with the Dean of Students.

No student shall board or room in any home not approved by the Dean of Students.

Students will be asked to move from homes where carelessness in conduct is condoned.

Landlords or landladies must give report on roomer's conduct at such times as may be requested by the Dean of Students.

Complaints against the treatment accorded the students by landlords or landladies shall be filed with the Dean in a signed statement.

Housewives who take students in their homes are required to report immediately to the Dean any violations of the rules or regulations.

Housewives who have students in their homes are required to report immediately to the Dean any serious illness or accident suffered by the student.

STUDENT HEALTH—A full-time nurse is employed with her office in the infirmary. The services of the infirmary are available to all students enrolled, living on or off the campus. Vaccinations and inoculations for smallpox and typhoid will be given to all who desire them. Any student may go to the infirmary for daily medical attention. If his condition requires general medical attention, he is entitled to care at the infirmary which is not to exceed eight days per term.

The college is not responsible for injuries incurred in intramural sports, class activities, surgery, doctor bill or obligations incurred for medical care other than the attendance and care provided by the infirmary.

STUDENT ACTIVITIES

EXTRA-CURRICULAR ACTIVITIES

It is believed that the training which is received outside the classroom in any school or college, loosely referred to as extra-curricular work is an essential part of the total training requisite to a well-balanced education.

With this in mind it is hoped that each student will avail himself of the opportunity to participate in one or more of these activities.

AGRICULTURE JUDGING TEAMS—Each year judging teams from the several fields of agriculture meet similar teams from other colleges at state and regional livestock shows.

ATHLETICS—Cameron is a member of the Pioneer Athletic Conference participating in football, basketball, tennis, track, and golf. The conference consists of the following junior colleges: Arlington, John Tarleton, San Angelo, Del Mar, Wharton, and Victoria in Texas; and Cameron in Lawton, Oklahoma. In addition to intercollegiate competition there is a well-rounded intramural sports program for both boys and girls.

MUSICAL ORGANIZATIONS—These consist of the college band, mixed chorus, men's quartets, women's trios, and other groups. Each semester the Music Department presents one special program in addition to making numerous appearances before clubs and civic groups and in high school assemblies in this section of the state.

STUDENT PUBLICATIONS—These consist of the student newspaper, *The Cameron Collegian*, published monthly through the school year by the journalism classes; and the school annual, *The Wichita*, sponsored each year by the Student Senate.

SPEECH ACTIVITIES—Each semester the speech groups give one all-school play in addition to furnishing numbers for assembly and club programs, both on and off the campus. The debate teams and individual members, of the speech department enter tournaments held at various state colleges during the year. Also a series of live radio and T-V programs are presented each semester over the local radio and T-V stations through the combined efforts of the Speech and Music Departments. These programs feature Cameron talent and news with student announcers and all-student casts.

RELIGIOUS ACTIVITIES—The administration and faculty of the college feel that the spiritual development of the individual is just as important as is mental, physical and social development. Therefore, in the fall of 1954 when the Lawton Ministerial Alliance offered to supply a qualified instructional staff for certain Bible courses if the college would agree to offer those courses, the college was most happy to cooperate. That year two survey courses, one in Old Testament and one in New Testament were offered on an elective basis. In the fall of 1955 two other courses were added—*The Life and Letters of Paul* and *The Prophets*. The courses are listed under the heading of Religious Education in the Division of Arts and Sciences.

Also in 1954, the Churches of Christ of the Lawton area established a Bible Chair just off the campus, and they employ a young minister to work with the students of their faith and to teach sections of the Religious Education courses.



In addition, all the churches of Lawton of all faiths, approximately forty in number, cordially invite the members of the student body to actively participate in their services. The college faculty feels that those students who do participate in the services of the church of their choice will certainly be benefited thereby, and urge such participation.

"Y" PROGRAMS—The Student Christian Association commonly referred to as the "Y" presents programs periodically in the college auditorium. The programs are as varied in nature as are the purposes of the "Y" in promoting well-rounded development of the individual. Every member of the student body is urged to attend and participate in these activities.

STUDENT ORGANIZATIONS

The following clubs and organizations are active at Cameron. It is hoped that each student will join and actively participate in the program of at least one of them.

STUDENT SENATE—This group is selected by the student body and cooperates with the college administration in making rules to govern student activities and in the promoting of such activities. Its membership is as follows: President of the Student Association, Vice-President of the Student Association, presidents of the sophomore and freshman classes, two members-at-large from each of the two classes, one cheer leader, the Collegian editor, as ex-officio member, and representatives from the various divisions, one representative being elected for each 50 persons or major fraction of this number who are enrolled in the division. The division representatives and those from the Freshman class are elected soon after the opening of school in September. Others are elected in the spring to serve for the following year. All members serve for one school year.

PHI THETA KAPPA (The National Junior College Honor Society)
—Purpose: To promote scholarship. Admission requirements: A personal invitation is extended to the upper ten percent of the junior college students. Low grades or improper conduct reflecting on the good name of the school is sufficient cause for expelling members. Any student having a failing mark recorded against him in this or another college is ineligible for membership. In April of 1957 the annual National Convention of Phi Theta Kappa was held in Lawton with Cameron as host chapter.

ITTANAHIA INDIAN CLUB (State)—The American Indian Students of the college have become affiliated with the state Ittanaha Indian Club with the following purposes: To advance the Indian race, to perpetuate tribal traditions and ceremonies; to establish brotherly relationship; to secure better educational opportunities and to adopt policies for the advancement of the Indian race.

Departmental Clubs:

Aggie Club	Home Economics Club
Cameron Players (Dramatics)	"O" Club
Circle K	Pre-Medic and Science Club
Business Club	Press Club
Cosmopolitan Club	Sigma Epsilon Sigma (Engineering)
Future Teachers of America	Pep Pirates
Hell Hounds	R. O. T. C. Club

Religious Organization:

Baptist Student Union
Student Christian Association
Church of Christ Bible Chair

CLUB SPONSORS—Each club and student organization must select one or more faculty members as their sponsor to be present at club meetings, social functions and other activities, and to give counsel and advice in their financial affairs. All monies received and dispersed by each club is handled in an activities account through the business office of the college.

HONORS AND AWARDS

One week before the date of graduation a special assembly program is held at which students who have distinguished themselves in the various fields of college activities are given recognition. A number of campus organizations and individuals in Lawton civic organizations present awards.

To the **OUTSTANDING AGRICULTURAL STUDENT WHO IS GRADUATING**, Mehew Hardware annually presents a cash award of \$10.00.

To the **OUTSTANDING FRESHMAN AGRICULTURAL STUDENT**, the Lawton Feeders Supply awards each year an achievement plaque.

To the **BEST ALL-ROUND GRADUATING ATHLETE**, the Rotary Club each year presents a loving cup in recognition of his achievements.

To the **MOST VALUABLE FIRST YEAR ATHLETE**, annually R & S Sporting Goods gives an award.

To the **FRESHMAN BUSINESS STUDENT WITH THE HIGHEST SCHOLASTIC AVERAGE FOR THE YEAR**, the Lawton Jr. Chamber of Commerce annually presents a cash award of \$10.00.

To the **GRADUATING SOPHOMORE BUSINESS STUDENT** judged to be the best in accounting the Lawton Chapter of the Oklahoma Association of Public Accountants makes an annual presentation.

In the **GENERAL FIELD OF DRAMATICS**, Cameron Players each year give an award to the student judged to have done the best work and to have been of most value in this field.

To the **BEST ALL-ROUND GRADUATING SPEECH STUDENT** is presented annually by Mrs. Fannie E. Boggs, in memory of her daughter Minor E. Boggs, a cash award of \$15.00.

To the **OUTSTANDING GRADUATING ENGINEER** each year the Wichita Mountains Branch of Oklahoma Professional Engineering Society awards a \$50.00 scholarship. This money is to be held in trust by Cameron and applied to entrance fees at a senior college of engineering when the student enrolls there. The money is to be sent directly to the college after enrollment is complete.

To the **STUDENT WITH THE HIGHEST TWO YEAR AVERAGE IN ENGLISH**, the Entre Nous Club presents a medal each year for this achievement.

To the **OUTSTANDING STUDENT IN CLOTHING CONSTRUCTION** Caldwell's Fabrics Shop makes an annual award.

To the **GRADUATING HOME ECONOMICS STUDENT** with the best record in clothing selection, modeling, and work in style shows, the Dixie Store of Lawton makes a \$10.00 cash award annually.

To the OUTSTANDING GRADUATE OF THE DIVISION OF HOME ECONOMICS each year, Zales Jewelry in Lawton awards a ladies watch in recognition of this achievement.

To the OUTSTANDING FRESHMAN INDIAN STUDENT, and also to the OUTSTANDING GRADUATING INDIAN STUDENT, the Ittanaha Club of Cameron each year presents an award. Selection of the recipient is based on scholarship, personality, citizenship, and cooperation.

Annual awards to the OUTSTANDING FRESHMAN JOURNALISM STUDENT and to the MOST VALUABLE GRADUATING JOURNALISM STUDENT are made by the Optimist Club. The Collegian editor is not eligible to receive this latter award.

To the STUDENT MAKING THE MOST PROGRESS during his or her two years at Cameron Mr. George F. Gutshall presents an award. This is given in memory of his son, George F. Gutshall, Jr., a former Cameron student who lost his life in World War II.

To the OUTSTANDING FRESHMAN MUSIC STUDENT the Schubert Club each year presents a \$50.00 scholarship. This scholarship is to be held in trust by the college and applied on the student's enrollment fees in his or her sophomore year at Cameron.

To the MEMBER OF THE CAMERON BAND who has contributed most to the band and band activities during the year, Hardy Suggs Music Company annually makes a presentation.

To the OUTSTANDING VOCAL STUDENT for the school year Leister Music Company annually gives an award.

To the OUTSTANDING FRESHMAN R.O.T.C. CADET the President of the College annually presents a plaque of recognition.

To the OUTSTANDING SQUAD in the Cameron R.O.T.C. the National Sojourners annually present a plaque. This plaque will remain on display in the Military Building.

To the OUTSTANDING SOPHOMORE R.O.T.C. CADET, the Texas A & M College Club of Ft. Sill and Lawton each year gives a suitable award.

To the PLATOON AND PLATOON LEADER considered most outstanding on the drill field during the academic year, the Assistant P.M.S. & T. each year gives an award of merit. This plaque will remain on display in the Military Building.

To the STUDENT IN THE STUDENT CHRISTIAN ASSOCIATION, who is most active in promoting the work and activities of the "Y" for the year, the Association annually makes a suitable award.

To the COLLEGE FRESHMAN having the HIGHEST SCHOLASTIC AVERAGE and the SECOND HIGHEST SCHOLASTIC AVERAGE for the school year, Phi Theta Kappa annually presents an award in recognition of this high accomplishment.

To the GRADUATING SOPHOMORE STUDENTS having the HIGHEST SCHOLASTIC AVERAGE and the SECOND HIGHEST SCHOLASTIC AVERAGE, the Kiwanis Club makes annual presentations in recognition of this signal achievement.

To the GRADUATING YOUNG MAN judged to be the MOST VALUABLE STUDENT to the college during his two years at Cameron, the Lions Club of Lawton makes an annual presentation at Honor's Day Assembly.

To the GRADUATING YOUNG WOMAN judged to be the MOST VALUABLE STUDENT to the College during her two years at Cameron, the president of the college, annually makes a presentation at the Honors Day Assembly.

ATTENDING THE COLLEGE

It is the duty of every student to familiarize himself with the college regulations. Ignorance of the regulations will not be accepted as an excuse for infringement.

In presenting the regulations which are to govern the student body, it is desired that these rules be constructive. No group of people can live happily together without an organized government which requires obedience and loyalty, the essentials of good citizenship. Each member of the student body, therefore, should obtain a real service from these regulations by cheerfully conforming to them in letter and in spirit.

The regulations shall apply to every student at all times except those specifically excused by written permit.

ADMISSION—(a) The applicant for admission must be at least fifteen years of age and physically sound; he must be free from contagious and infectious disease.

(b) The college admits without examination all students presenting evidence of graduation from an accredited high school or, for veterans, a certificate of equivalency based on the G. E. D. Test results. Students transferring from other schools, colleges, or universities must present an official transcript and evidence of honorable dismissal. **No student will be permitted to complete his enrollment until such transcript has been received by the Registrar.** Students should have their credits forwarded to the Registrar as soon as they have finished their high school course and in no case should the transcript reach the Registrar later than August 25.

(c) Any subject for which the student's high school has been officially accredited by the State Department of Education and officially listed in the annual high school bulletin will be accepted for entrance.

(d) Entrance may be made either by credentials presented or by examinations taken after arrival. No student will be classified until a record of his previous work is on file in the Registrar's office or until he has passed a satisfactory examination.

(e) A person twenty-one years of age or more who has not been graduated from high school, but who makes a sufficiently high record on the psychological test, may be admitted to the college and pursue courses leading to graduation. Transcripts of such credit as he has should be filed in the Registrar's office.

(f) A person of mature age who does not wish to graduate from the college may enter as a special student taking only those courses which he is prepared to pursue advantageously.

REGISTRATION—Every student is required to register when he first enters the college and thereafter at the beginning of each semester. Registration is not complete until the student has paid his fees for the ensuing semester and has had his course of study approved by the Dean.

(a) No student will be allowed to attend class regularly as a visitor or auditor without an auditing card from the Dean.

(b) Any person attending class or doing the work in a course for which he has not registered in advance will not receive credit for the work so done.

(c) Students entering late must make up all back work of the classes in which they enroll.

DROPPING A COURSE OR WITHDRAWAL FROM SCHOOL—(a) A student desiring to withdraw from the school should secure a withdrawal form from the Dean, have it properly signed and return it to the Dean.

(d) If withdrawal occurs during the first six weeks of the semester the student will receive a grade of W in each course in which he is enrolled. After the first six weeks a grade of W will be granted in each course in which the student has a passing grade, and a grade of WF in those courses in which he is failing.

(c) If the student leaves school at any time without officially withdrawing, he will receive a grade of WF in each course in which he was enrolled.

(d) Students desiring to drop a single subject must secure the proper blank at the office of the Dean, have it approved by the instructor in charge, and file the approved request with the Dean.

(e) The conditions stated in (b) will determine the grade received when a single course is dropped.

(f) In order to add or drop a subject after the first two weeks of each semester, the student shall pay a fee of 50 cents.

(g) A student who withdraws from a class without permission from the Dean will be given an F in the course.

REPORT TO PARENTS—At the end of each semester a report is sent to the parent or guardian of each student, showing his semester grades.

UNSATISFACTORY WORK—(a) Upon recommendation of the teacher in charge, with the sanction of the head of the department, the Dean may at any time require a student to drop a subject because of neglect, inability or lack of preparation. No other subject, however, may be substituted at the time, unless the arrangement is agreeable to the instructor concerned.

(b) Students failing to maintain at least a 1.00 scholastic average figured on the total number of courses attempted for any semester will be placed on scholastic probation for the succeeding semester. Unless definite improvement is shown during this semester, the student will be requested to withdraw from school because of poor work. In this case his permanent record card will be marked "suspended for Poor Scholarship." If suspended, the student may obtain permission from the Dean to re-enter school for one semester. If after this semester the student's work does not improve he will be permanently dismissed from the institution.

(c) A student failing in 50 per cent or more of the work in which he is enrolled in any semester may be enrolled the following semester only by special permission of the academic committee. A student so enrolled is automatically on probation and may be dropped by the Dean with the consent of the academic committee, when in the judgment of the academic committee or the Dean this will be to the advantage of the student or the institution.

(d) Students are automatically dismissed from work, class offices, club offices, positions of trust, or official positions in any recognized club or organization, including offices and captaincies of athletic teams, whose records show that they are not passing in two-thirds of their work at the end of the ninth or eighteenth week of the semester.

(e) A semester grade of I must be made up during the first nine weeks of the succeeding semester. Incompletes that are not made up automatically become F's.

ABSENCES—(a) The college, recognizing that regular attendance is necessary for the successful completion of college courses allows a student only one unexcused absence for each credit hour value of a course. All school sponsored activities or trips are excused absences. Others are determined by the instructor. Each excessive unexcused absence will result in a two percent semester grade reduction. Makeup work for absences is left to the discretion of the instructor.

(b) The Dean's office will issue excuses only for absences due to authorized trips of College representatives. If for any reason a student does not attend a class, he should explain his absence to the instructor and, if in the instructor's opinion the absence was justified, it may be excused and the work made up. Missing classes to work is not an acceptable reason for being absent.

(c) Whenever an instructor feels that absences are seriously affecting a student's class work, he shall report this fact to the Dean. Provided that the student attends class regularly thereafter, and if circumstances warrant, the Dean may permit the student to re-enter class.

(d) Attendance in some classes and absences from others the same day may render a student a fit subject for discipline. If at any time during the semester a student fails to attend class regularly, he may be dropped from the college rolls.

EXAMINATIONS—(a) Students absent from any written test shall be regarded as having failed in that test. If such absence, however, is caused from sickness or unavoidable cause, the instructor shall give the test to the student at a later date.

(b) Before the student may take semester examinations, he must be certified by the Dean showing that all college accounts have been paid and that all athletic equipment, musical instruments, library books, and other school property have been returned in good condition. A list of other students delinquent in any respect will be sent each instructor and other lists posted on the Bulletin Boards just prior to the start of the final examinations.

GRADE POINTS—No student will be graduated from this institution with fewer grade points than twice the number of semester hours he has completed. This student is given four grade points for each hour of credit with a grade of "A", three grade points with a grade of "B", two grade points for each hour with a grade of "C", and one grade point for "D's".

GRADUATION—(a) A student who has completed the requirements of any one of the regular curricula in this catalogue and who has met the conditions listed below will be granted a diploma from this college. Sixty-four semester hours are required for graduation. The college offers the degrees: Associate in Arts in Agriculture, Associate in Arts in Arts and Sciences, Associate in Arts in Business, Associate in Arts in Engineering, Associate in Arts in Home Economics, and Associate in Arts in Terminal Education.

(b) The above sixty-four hours must include at least six hours in American history and government, since Oklahoma state law requires that "all students who matriculate for the first time in an Oklahoma institution of higher learning after September 1, 1945, shall have credit of six hours of American history and government before they can be awarded a degree."

(c) All male students, unless specifically exempt as hereinafter provided, must have credit in four semesters of military science. In the case of students transferring from another college which does not offer military science, then one semester of physical education for each

semester of attendance at that college will be required in lieu of military science for those semesters. The term "military science" as here used shall include Air Science and Naval Science.

(d) A maximum of four semester hours of Religious Education may be counted as a part of the sixty-four semester hours required for graduation.

(e) The last twelve semester hours of work must be done in residence.

(f) A student may petition the Administrative Council for waivers in exceptional cases involving requirements other than American history and government.

MILITARY SCIENCE—All male students entering the College must enroll in military science. On application to the head of the military department, students may be granted postponement of, or exemption from part or all of the basic course for any of the following reasons; physical disability; night or part-time student status, only so long as such status exists, prior active duty in the Armed Forces of the United States; students having attained the age of twenty-four (24) years on or before the date of enrollment.

PHYSICAL EDUCATION—All girls must have four semesters of physical education unless a doctor's certificate is presented. Married women and veterans are exempt.

DISCIPLINE—The reasonable supposition is that persons applying for admission to a junior college are ladies and gentlemen, and every consideration will be shown them as such, until by their own acts they shall forfeit the confidence reposed in them. Rules of government and regulations as to their general conduct will, of course, be necessary; yet the character of these will be such as should secure conformity thereto and active cooperation on the part of the student body in aiding and carrying out such requirements as may be deemed necessary.

The disciplinary committee in under the direction of the Dean of Students and is composed of the Dean of Women, two faculty members and two students from the Student Senate. Each student that is subject to discipline must meet with this group and plead his own case.

Dismissal shall be of two kinds: Honorable and Dishonorable. A student receiving a dishonorable dismissal shall have the dismissal written across the face of his permanent record and all transcripts, together with the cause of dismissal. At the discretion of the President a dishonorably dismissed student may forfeit all credit completed at Cameron.



TR Zato Heir 262

No. 7358612

This animal, born on the college farm, was shown by the college at the Denver show in 1953 where he was a winner. At that show he was sold for \$29,000. In the fall of 1954 he brought, at another sale, the fabulous price of \$85,000.

Division of Agriculture

It is the objective of the Division of Agriculture of Cameron College to offer courses that will fulfill the requirements of the first two years of academic work in any accredited four-year agricultural college while at the same time, these courses will benefit those students who do not intend to complete four years of college work. These courses are foundation courses, training students in the latest farming techniques, to become technical agricultural advisors, agricultural research men and agriculture teachers.

The facilities for teaching agriculture are modern and are kept current with new developments in each phase of agriculture. The 510-acre college farm serves as a laboratory for the agriculture courses as well as producing farm products to be used by the college.

The college livestock consists of beef cattle, dairy cattle, swine and poultry. In recent years, the purebred Hereford herd which is based around the Zato Heir line of breeding, has made some outstanding records in the national livestock shows. Also, the purebred Holstein-Friesian dairy herd has made enviable milking records.

AGRICULTURAL CURRICULUM

(Pre-Veterinary students see page 30)

FRESHMAN

First Semester.		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Chemistry 114—General	4	Chemistry 124—General	4
Botany 114—General	4	Govt. 213	3
A. H. 113 or Dairy 113	3	History—American	3
Mil. Sci. 112	2	Ag. Engr. 122—Farm Mach.	2
		Mil. Sci. 122	2
Total	16 hrs.	Total	17 hrs.

SOPHOMORE (A. H.)

First Semester		Second Semester	
	Cr.		Cr.
Chemistry 245—Organic	5	A. H. 123—Livestock Feeding	3
Soils 224	4	Entomology 224—General	4
A. H. 223—Brds. of Livestock	3	Bact. 224—General	4
Ag. Econ. 203—Principles	3	Zoology 214—General	4
Ag. Engr. 202—Soil Conserv.	2	Mil. Sci. 222	2
Mil. Sci. 212	2		

SOPHOMORE (Ag. Ed.)

First Semester.		Second Semester	
	Cr.		Cr.
Poultry 104—Farm Poultry	4	Entom. 224—General	4
Ag. Engr. 202—Soil Conserv.	2	Bact. 224—General	4
A. H. 113 or Dairy 113	3	Hort. 103—General	3
Zoology 214—General	4	F. C. 233—Forage Crops	3
Elective	3	Mil. Sci. 222	2
Mil. Sci. 212	2		

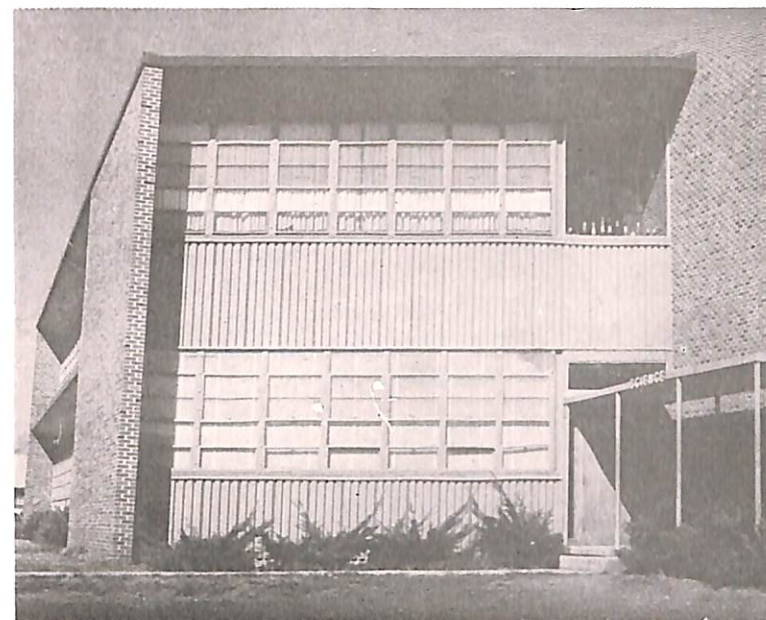
Elective should be Soils 224 or Ag. Econ. 203.

SOPHOMORE (Agronomy)

First Semester.		Second Semester	
	Cr.		Cr.
Soils 224	4	F. C. 233—Forage Crops	3
Chemistry 245—Organic	5	A. H. 123—Livestock Feeding	3
Zoology 214—General	4	Entom. 224—General	4
Ag. Engr. 202—Soil Conserv.	2	Bact. 224—General	4
Ag. Econ. 203—Principles	3	Mil. Sci. 222	2
Mil. Sci. 212	2		

SOPHOMORE (Soils)

First Semester.		Second Semester	
	Cr.		Cr.
Soils 224—Fundamentals	4	F. C. 233—Forage Crops	3
Chem. 245—Organic	5	Chem. 215—Quan. Anal.	5
Math. 173—Col. Alg.	3	A. H. 123—Livestock Feeding	3
Physics 114—General	4	Zoology 214—General	4
Mil. Sci. 212	2	Mil. Sci. 222	2
Total	18	Total	17



Division of Arts and Sciences

The courses in the Division of Arts and Sciences are intended to give the student a broad and liberal education which will equip him for his duties as a citizen as well as give him practical application along lines for further study. The subjects are based upon the training in the English language and literature, foreign languages, sciences, such as chemistry, physics, botany and the social sciences, economics, psychology, sociology and history.

The Division of Arts and Sciences is also a service department for the other divisions of the college as students in other divisions take many of their foundation courses in this division.

All students who enter the freshman class are required to take a placement examination in freshman English. This test is for the purpose of sectioning students who are enrolling in first-year college composition.

PLAN OF STUDY—During the first year, the student should take the required freshman courses of English, mathematics, American history, government, science, speech, and military science or physical education. During the second year he should complete all requirements, including additional English, science, and language, which have not been previously taken, and then elect any other courses which are accredited in the Division of Arts and Sciences. Sixteen or seventeen semester hours is the maximum allowed in any one semester without special permission.

To meet the requirements of students who wish to prepare themselves to enter standard senior colleges and in order to prevent irregularities in schedule, it is essential that the student complete all of the

required work at the time designated. Not more than ten semester hours of work from another division may be counted toward graduation in the Division of Arts and Sciences.

At the beginning of the sophomore year, the student should select a major and a minor subject from two related departments, which plan of study can carry over into senior college.

In addition to the curricula listed below and with proper planning, the first two years of pre-professional preparation in the following fields may be obtained at Cameron: Pre-Dentistry, Pre-Forestry, Pre-Law, Pre-Optometry, Pre-Medicine, and Pre-Theology. Not more than one year of Pre-Architecture, Pre-Geology, and Pre-Journalism should be taken at Cameron.

ARTS AND SCIENCE CURRICULUM

(Also for Pre-Secondary Education majors)

FRESHMAN

First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Math. 143-173	3	Math. 173-183	3
Hist. 223—American	3	Govt. 213—Federal	3
Science *	4	Science *	4
Speech 112	2	Elective	3
Phys. Ed. 111 (Girls)	1	Phys. Ed. 121 (Girls)	1
Mil. Sci. 112 (Boys)	2	Mil. Sci. 112 (Boys)	2

SOPHOMORE

First Semester		Second Semester	
	Cr.		Cr.
English Elective	3	English Elective	3
**Social Science	3	**Social Science	3
Language Elective	5	Language Elective	5
*Science	4	Elective	4
Phys. Ed. 211 (Girls)	1	Phys. Ed. 221 (Girls)	1
Mil. Sci. 212 (Boys)	2	Mil. Sci. 222 (Boys)	2

*Biology is recommended to those students who plan to take the minimum in science. Other sciences are: Chemistry, Physics, Botany and Zoology. Credit may not be received both in Biology and Botany or Zoology. Many schools require both Biological Science and Physical Science.

**Psychology, Sociology, additional history or government, or economics.

MUSIC CURRICULUM

FRESHMAN

First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Music 113—Harmony	3	Music 123—Harmony	3
Music 132—Ear Training	2	Music 142—Ear Training	2
*General Educ. Elective	3-5	*General Educ. Elective	3-5
Piano or Voice	2	Piano or Voice	2
Band or Chorus	1	Band or Chorus	1
Phys. Ed. 111 (Girls)	1	Phys. Ed. 121 (Girls)	1
Mil. Sci. 112 (Boys)	2	Mil. Sci. 122 (Boys)	2

*This elective must be French, biology, mathematics, or typing.

SOPHOMORE

First Semester		Second Semester	
	Cr.		Cr.
Govt. 213—Federal	3	Hist. 223 or 213—American	3
Music 213—Harmony	3	Music 223—Harmony	3
Music 232—Ear Training	2	Music 122—W'wind Inst. Cl.	2
Music 112—Brass Inst. Cl.	2	Music 242—Ear Training	2
Piano or Voice	2	Piano or Voice	2
Band or Chorus	1	Band or Chorus	1
Music Appreciation 212	2	Phys. Ed. 221 (Girls)	1
Phys. Ed. 211 (Girls)	1	Mil. Sci. 222 (Boys)	2
Mil. Sci. 212 (Boys)	2		

PRE-ELEMENTARY EDUCATION CURRICULUM

FRESHMAN

First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Math. 113—Business Math.	3	Math. 143—Inter. Algebra	3
Hist. 213—American	3	Hist. 223—American	3
Biology 114	4	Biology 124	4
Speech 112	2	Speech 122	2
Phys. Ed. 111 (Girls)	1	Phys. Ed. 121 (Girls)	1
Mil. Science 112 (Boys)	2	Mil. Sci. 121 (Boys)	2

SOPHOMORE

First Semester		Second Semester	
	Cr.		Cr.
English Elective	3	English Elective	3
Elective	3	Elective	3
Art 112	2	Art. 122	2
Geography 213	3	Personal Health 152 (Girls)	2
Class Piano 110	2	Music Ed. 102	2
Govt. 213—Federal	3	Oklahoma History 112	2
Phys. Ed. 211 (Girls)	1	The Child 212	1
Mil. Science 212 (Boys)	2	Phys. Ed. 221 (Girls)	1
		Mil. Science 222 (Boys)	2

RECOMMENDED ELECTIVES: First Semester: Typing if no previous credit, Sociology 113, Family Living 113, or Consumer Problems 213. Second Semester: Psychology 113, Sociology 213, Textiles 132, or Meal Planning 213.

PRE-PHARMACY

Since a pharmacy student must spend three years in attendance at a school of pharmacy, and since the total program is a four year program, only one year of Pre-Pharmacy may be taken at Cameron. The outline of that year's work follows:

First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Chem. 114—General	4	Chem. 124—General	4
*Math. 143-173	3	*Math 173-183	3
Zoology 214	4	Botany 114	4
Mil. Sci. 112	2	Mil. Sci. 122	2
Total	16 hrs.	Total	16 hrs

*The course taken depends on the background in high school mathematics.

PRE-MEDICAL CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
*Chem. 114-115	4 or 5	*Chem. 124-224	4
Zoology 214-General	4	Zoology 224	4
Math. 143-173	3	Math. 173-183	3
Phys. Ed. 111 (Girls)	1	Phys. Ed. 121 (Girls)	1
Mil. Sci. 112 (Boys)	2	Mil. Sci. 122 (Boys)	2

*Those who have had chemistry in High School take Chem 115 and 224; other take Chem. 114-124.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Chem. 235-Organic	5	Chem. 215-Quan. Anal.	5
French 115	5	French 125	5
Hist. 223-American	3	Govt. 213-Federal	3
Speech 112	2	Phys. Ed. 221 (Girls)	1
Phys. Ed. 211 (Girls)	1	Mil. Sci. 222 (Boys)	2
Mil. Sci. 212 (Boys)	2		

PRE-NURSING

(Leading to the Degree of Bachelor of Science in Nursing which is a five year program.)

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chem. 114-General	4	Chem. 124-General	4
Govt. 213-Federal	3	Hist. 223-American	3
Family Relations 113	3	Psychology 113-Elements	3
Elective	3	Physiology 213-Human	3
Phys. Ed. 111	1	Phys. Ed. 121	1
Total	17 hrs.	Total	17 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Zool. 214-General	4	Bact. 224-General	4
Sociology 113-Principles	3	Hist. 153-European	3
Foreign Language	5	Foreign Language	5
Literature Elective	3	Elective	3
Phys. Ed. 211	1	Phys. Ed. 221	1
Total	16 hrs.	Total	16 hrs.

The following courses should have been included in the work completed in high school. If any of them were missed there, they should be taken during the freshman year and some of the courses listed there deferred to the sophomore year. These courses are: plane geometry, two years of foreign language, beginning and intermediate algebra.

SCIENCE CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
*Science	4	*Science	4
Math. 143-173	3	Math. 173 - 183	3
Hist. 213-223, American	3	Govt. 213, Federal	3
Speech 112	2	Speech 122	2
Mil. Sci. 112 (Boys)	2	Mil. Sci. 122 (Boys)	2
Phys. Ed. 111 (Girls)	1	Phys. Ed. 121 (Girls)	1

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
English Elective	3	English Elective	3
**Science	4 or 5	**Science	4 or 5
Math. 183 - 194	3 or 4	Math. 194 - 214	4
Elective	3	Elective	3
Mil. Sci. 212 (Boys)	2	Mil. Sci. 222 (Boys)	2
Phys. Ed. 211 (Girls)	1	Phys. Ed. 221 (Girls)	1

Recommended Electives: Business Communications 213 - 223, Advanced Composition 233 - 243, Chemistry 114 - 124, Geography 213 - 223. *Physical Science majors take Chemistry and Biological Science majors take Zoology in the freshman year. **Physical Science majors take Physics 215 - 225 or Chemistry 235 - 215. Biological Science majors take Botany 114 and Bacteriology 224 with Chemistry 114 - 124 being taken in the elective spot.

PRE-VETERINARY MEDICINE

A total of 62 semester hours exclusive of military science or physical education together with a grade point average of 2.5 or better, is required for entrance to veterinary medicine.

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chem. 114-General	4	Chem. 124-General	4
Zool. 214-General	4	Zool. 224	4
Math. 143-173*	3	Math. 173-183	3
Mil. Sci. 112	2	Speech 112	2
		Mil. Sci. 122	2
Total	16 hrs.	Total	18 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Physics 114—General	4	Physics 124—General	4
Chem. 235—Organic	5	Botany 114—General	4
Hist. 223—American	3	Govt. 213—Federal	3
Electives	4	Bact. 224—General	4
Mil. Sci. 212	2	Mil. Sci. 222	2
Total	18 hrs.	Total	17 hrs.

*If student has had only one year of high school algebra, he should take Math. 143.

Suggested electives: Accounting 213, Typing 103, Economics 213, Psychology 113, Chemistry 215, Sociology 213.



Division of Business

The Division of Business offers pre-professional guidance and instruction for students who plan to further their business education by continuing professional study in the four-year college or university.

To meet the needs of the two-year student, this Division presents two programs, the two-year Secretarial and the two-year General Business Curriculums. A combination business-home economics program is described in connection with the two-year programs in the Division of Home Economics.

Whether the student enrolls in the pre-professional or in one of the two-year courses, the purpose of the Division of Business is to provide technical instruction in business and an educational background which will assist students to become business leaders and useful citizens.

The student should recognize that enrollment in either the two- before the date of enrollment. employment at the executive level but it will lessen the period of apprenticeship.

Co-Operation With Business

The splendid co-operation of business and professional organizations in the Cameron State Agricultural College area is invaluable in supplementing the student's business training with work experience and counsel not otherwise available. An increasing number of firms look to Cameron's Business Administration Division for future employees.

PRE-PROFESSIONAL BUSINESS CURRICULUM

The curriculum in pre-professional business will prepare a student to enter a professional school of business in the four-year college or university and continue work leading to a bachelor degree.

The student should be mindful that requirements vary with the different colleges. Therefore, it is always wise to obtain a catalogue from the college he wishes to attend so that the courses may be selected with care.

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
*Science	4	Science	4
**Math. 113-143-173	3	Math. 113-143-173	3
***Speech 112	2	Speech 213-222	2 or 3
Govt. 213 or Hist. 213-223	3	Hist. 223-213 or Govt. 213	3
Phys. Ed. 111 (Girls)	1	Mil. Sci. 122 (Boys)	2
Mil. Sci. 112 (Boys)	2	Phys. Ed. 121 (Girls)	1

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Business Communications 213	3	Business Communications 223	3
Acct. 213—Elements	3	Acct. 223—Elements	3
Geography 213—Principles	3	Geography 223—Economic	3
Economics 213—Principles	3	Economics 223—Principles	3
Electives	3	Electives	3
Phys. Ed. 211 (Girls)	1	Phys. Ed. 221 (Girls)	1
Mil. Sci. 212 (Boys)	2	Mil. Sci. 222 (Boys)	2

*Recommended biology. If a student enrolls in a science the first semester, he is expected to enroll in that same science the second semester.

**If more than one year of high school credits has been earned in algebra, the student enrolls in Algebra 173—College Algebra; otherwise he enrolls in Algebra 143—Intermediate Algebra; or Math. 113—Business Mathematics. Math. 113 must be taken prior to Math. 143 if credit is to be received in 113.

***Those students who have no high school credit in typewriting will be required to take typewriting 103, with speech being postponed to later semesters.

RECOMMENDED ELECTIVES: No electives should be taken during the freshman year. Sociology, psychology, home economics, language. (Some colleges require foreign language if no previous credit has been received in language.) Additional speech, English, history, shorthand, or journalism are excellent electives.

PRE-BUSINESS EDUCATION CURRICULUM

For those who plan to teach Business subjects in High School.

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Biology 114	4	Biology 124	4
Bus. Math. 113	3	Math. 143—Int. Algebra	3
Shorthand 113-123	3	Shorthand 123 and Typing	6
Speech 112	2	or Dictation-Transcription	1
P. E. 111	1	P. E. 121	1
Total	16 hrs.	Total	17 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Bus. Com. 213	3	Bus. Com. 223	3
Accounting 213—Elements	3	Accounts 223—Elements	3
Economics 213—Principles	3	Economics 223—Principles	3
Govt. 213—Federal	3	Hist. 223—American	3
Electives	3	Geog. 223—Economic	3
P. E. 211	1	P. E. 221	1
Total	16 hrs.	Total	16 hrs.

RECOMMENDED ELECTIVES: Business machines, sociology, psychology, Home Economics.

TWO-YEAR SECRETARIAL CURRICULUM

The courses in this phase of the business program are offered to train for competency in the initial jobs of modern business, and for positions as typists, stenographers, and secretaries.

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Math. 113—Bus. Math.	3	S. T. 123—Shorthand*	3
S. T. 113—Shorthand*	3	Typing 133-253**	3
Typing 103-133**	3	Biology 114	4
Govt. 213—Federal	3	Speech 112	2
Phys. Ed. 111	1	Phys. Ed. 121	1
Total	16 hrs.	Total	16 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Business Comm. 213	3	Business Comm. 223	3
S. T. 214—Dictation	4	S. T. 213—Office Practice	3
S. T. 202—Transcription	2	Accounting 213—Elements	3
Hist. 223—American	3	Electives	6
Sociology or Economics	3	Phys. Ed. 221	1
Phys. Ed. 211	1	Total	16 hrs.

Total 16 hrs.

*Note: Students who have 1 year of high school shorthand will enroll in Shorthand 123. Shorthand 113 is the beginning course in shorthand.

**One year of high school typing credit will qualify the student to enroll in typing 133. If he has more than one year of high school credit in typing, he will take typing 253.

RECOMMENDED ELECTIVES: Students should postpone as many electives as possible until the sophomore year. Home Economics, sociology, economics, speech, psychology, or any additional work in history, English or Journalism.

TWO-YEAR GENERAL BUSINESS CURRICULUM

This curriculum provides instruction of a practical nature for those students interested in two years of general business education.

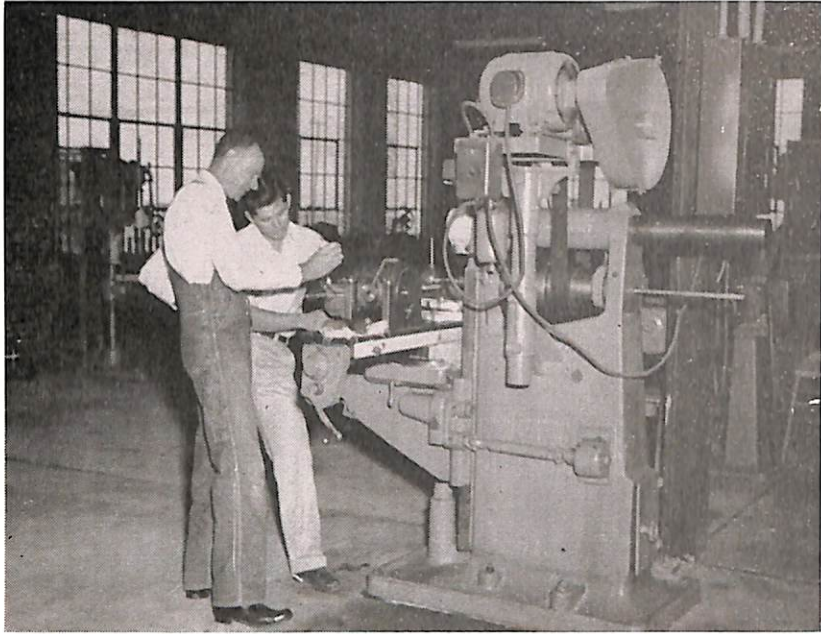
FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Science	4	Intro. to Business 113	3
Math 113-143	3	Math. 143-173*	3
Speech 112	2	Typing 103-133**	3
Govt. 213 or Hist. 213-223	3	Hist. 223-213 or Govt. 213	3
Phys. Ed. 111 (Girls)	1	Phys. Ed. 121 (Girls)	1
Mil. Sci. 112 (Boys)	2	Mil. Sci. 122 (Boys)	2

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Business Comm. 213	3	Business Comm. 223	3
Acct. 213—Elements	3	Acct. 223—Elements*	3
Geography 213—Principles*	3	Geography 223—Economic*	3
Office Machines 212	2	Salesmanship 203*	3
Econ. 213—Principles	3	Business Law 213	3
Phys. Ed. 211 (Girls)	1	Phys. Ed. (Girls)	1
Mil. Sci. 212 (Boys)	2	Mil. Sci. 222 (Boys)	2

*With the consent of the Head of the Division of Business, students may substitute the following courses:
 Home Economics Psychology 113
 Sociology 113 Speech 122, 213
 Journalism 253
 Advanced Composition
 Additional Typewriting
 Additional Mathematics



Division of Engineering and Industrial Arts

The Engineering Division offers a full two-year course of study in engineering. The curriculum includes the necessary prerequisites to the junior year of work either at the University of Oklahoma or at the Oklahoma State University. The department has enjoyed a substantial growth in equipment, teaching personnel, and student enrollment during the past few years. With two additional years of study a student can complete a regular four-year engineering course of one hundred and forty-eight hours. In this way Cameron renders a real service to prospective engineering students of Southwestern Oklahoma.

An education as an engineer is indeed a real and useful one; whether one continues in his particular profession or enters one of the many other fields of endeavor now open to men and women with engineering training. All curricula are based upon the principle of offering a sound fundamental training, in mathematics, the basic sciences, and English. With this broad training, one can carry out a definite specialized technical training in the respective fields during two years at a senior college.

No study of engineering is complete without laboratories where students by actual experience may learn to apply the principles taught in the class room. The Division of Engineering is fortunate in having in addition to the basic science laboratories, an engineering building, used exclusively by engineers. This structure houses the engineering shops. Drafting laboratories are housed in the Administration Building.

ENGINEERING CURRICULUM

FRESHMAN			
First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Math. 173—College Algebra	3	Math. 194—Analytics	4
Math. 183—Trigonometry	3	ME 112—Engr. Drawing	2
Chemistry 114—General	4	Chemistry 124—General	4
Shop Elective	1	Govt. 213—Federal	3
Speech 112—Fundamentals	2	Mil. Sci. 122	2
Mil. Sci. 112	2		
Total		Total	
18 hrs.		18 hrs.	

SOPHOMORE			
First Semester	Cr.	Second Semester	Cr.
Math. 214—Dif. Calculus	4	Math. 224—Int. Calculus	4
Physics 215—General	5	Physics 225—General	5
C. E. 123—Surveying	3	ME 123—Des. Geometry	3
Shop Elective	1	C. E. 214—Mechanics	4
Hist. 223—American	3	Mil. Sci. 222	2
Mil. Sci. 212	2		
Total		Total	
18 hrs.		18 hrs.	

Recognized Electives	
Eng. 233 Adv. Composition	Shop 231—Pattern Making
Bus. Com. 213—	Shop 241—Machine Shop
Econ. 213—Principles	Shop 271—Welding
Acctg. 213—Elements	

TWO-YEAR ENGINEERING CURRICULUM (for terminal students)

FRESHMAN			
First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Math. 143—Inter. Algebra	3	Math. 173—College Algebra	3
Chem. 114—General	4	Chem. 124—General	4
Engr. Drawing 112	2	**Engineering Elective	2
*Shop Elective	2	Govt. 213—Federal	3
Military Science 112	2	Military Science 122	2
Total		Total	
16 hrs.		17 hrs.	

SOPHOMORE			
First Semester	Cr.	Second Semester	Cr.
Math. 183—Trigonometry	3	History 223—American	3
Physis 114—General	4	Physics 124—General	4
C. E. 123—Surveying	3	**Engineering Elective	3
Bus. Com. 213	3	Acctg. 213—Elements	2
Shop Elective	2	Speech 112	2
Military Science 212	2	Military Science 222	2
Total		Total	
17 hrs.		16 hrs.	

*If the student does not have credit in plane geometry from high school, then the shop should be deferred to another semester and plane geometry taken this semester.

**Suggested electives: Engr. Drawing 122, Des. Geom. 123, Shop courses.

INDUSTRIAL ARTS

The courses in Industrial Arts are so arranged that a student majoring or minoring in Industrial Arts may, upon graduation, be admitted to the junior year of work in a senior college of his choice. The shops, drawings and crafts courses offered, such as those of welding, wood-working, drawing, machine work, carpentry, and leather crafts, are of such practical nature that the skills and knowledge acquired will serve as basis for the skill trades or for a hobby.

INDUSTRIAL ARTS CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chemistry 114—General	4	Chemistry 124—General	4
ME 112—Engr. Drawing	2	Shop 213—Mach. Woodwork	3
Math. 143—Inter. Algebra	3	Hist. 223—American	3
Shop 113—Bench Woodwork	3	Shop 221—Care of Equip.	1
Mil. Sci. 112	2	Shop 291—Wood Turning	1
		Shop 231—Pattern Making	1
Total	17 hrs.	Mil. Sci. 122	2
		Total	18 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
English Elective	3	Math. 173—Col. Algebra	3
Govt. 213—Federal	3	Psych. 113—Elements	3
Shop 241—Machine Shop	1	Shop 262—Carpentry Prob.	2
ME 122—Engr. Drawing	2	ME 123—Descriptive Geom.	3
Econ. 213—Principles	3	Speech 112—Principles	2
Shop 112—General Shop	2	Shop 271—Welding	1
Mil. Sci. 212	2	Mil. Sci. 222	2
Total	16 hrs.	Total	16 hrs.



Division of Home Economics

The aim of the Division of Home Economics is to guide each student in the use of educational opportunities made available by the college and the community toward effective functioning (1) in all phases of her personal and individual development; (2) in preparation for the responsibilities of democratic citizenship and active community life; (3) in her preparation for marriage and **HOMEMAKING**; (4) and, in the case of the majority, in a pre-professional background training of home economics with a view to continuing more advanced training for a double future—both in **HOMEMAKING** and a **CAREER**.

Home Economics at Cameron stresses the individual student in all phases of learning that relate to home and family life in its community setting. The chief concern is the family group; its manner of living and working together; its appreciation and understanding for physical and mental health; the guidance and care of children; food preparation and nutritional needs of individuals; the **clothing** of the family—buymanship, selection, and construction; the **Housing** of the family for health, comfort, and beauty; and the use and adequacy of its income.

The curriculum of the Division of Home Economics is planned for four classes of students:

1. Students who wish to prepare for teaching general or Vocational homemaking in high schools, Home Economics Extension, nursery, kindergarten, or elementary schools.
2. Students who desire home economics in pre-professional preparation for careers in hospital dietetics, institutional management, interior designing, home demonstrator work, home service work, and merchandising.
3. Students majoring in other divisions who want some education for home and family life.

4. For the student who plans to stay in college two years and is interested principally in **HOMEMAKING** combined with job opportunities in business.

The Science-Home Economics Building houses spacious home economics rooms that are quite modern and well-equipped. The foods laboratory with its five unit-kitchens and adjacent home-like dinettes, and the clothing laboratory with its ten machines, long cutting tables, and related built-ins measure up to a pleasingly high standard. The luxurious living room with its functional furnishings is the setting for home and family life training activities which are a part of credits received in the home economics courses. It also gives opportunity for practice in related activities by the Cameron Home Economics Club which is affiliated with the State and National Home Economics Associations.

Students completing the Vocational Curriculum are admitted with junior standing to the School of Home Economics at Oklahoma State University, the University of Oklahoma, Oklahoma College For Women, and other senior colleges in the nation who maintain a school of Home Economics.

VOCATIONAL HOME ECONOMICS CURRICULUM

(For those who plan to teach Vocational Home Making or to prepare for other remunerative careers in the field of home economics)

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chem. 114—General	4	Chem. 124—General	4
Food Preparation 113	3	Clothing Construction 113	3
Family Relations 113	3	Textiles 132	2
Art 112—Principles	2	Personal Health 152	2
Phys. Ed. 111	1	Art 122—Principles	2
		Phys. Ed. 121	1
Total	16 hrs.	Total	17 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Govt. 213—Federal	3	Hist. 223—American	3
Consumer Problems 213	3	Chem. 203—Organic	3
Adv. Clothing Constr. 223	3	Foods 213—Family Nut. & Meal Serv.	3
Child Care 212	2	Houseplan & Decor. 234	4
Speech 112—Fundamentals	2	Elective	3
Phys. Ed. 211	1	Phys. Ed. 221	1
Elective	3		
Total	17 hrs.	Total	17 hrs.

With the permission of the Division Head one or more courses in the above listing may be replaced by approved electives more in line with future needs of the individual student. Approved Electives are: Biology, English or American Literature, Physiology, Sociology, Typing, Music, Journalism, Religious Education, Mathematics, a Language.

GENERAL HOME ECONOMICS CURRICULUM (Continuation or Two Year)

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Food Preparation 113	3	Clothing Construction 103-113	3
Family Relations 113	3	Personal Health 152	2
Biol. 114 or Chem. 114	4	Electives	7
Art 112	2	Phys. Ed. 121	1
Phys. Ed. 111	1		
Total	16 hrs.	Total	16 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Hist. 223—American	3	Govt. 213—Federal	3
Consumer Problems 213	3	Foods 112-213	2
Child Care 212	2	Textiles 132	2
Electives	7	Speech 112—Fundamentals	5
Phys. Ed. 211	1	Electives	1
		Phys. Ed. 221	1
Total	16 hrs.	Total	16 hrs.

Those students working toward a degree in clothing, textiles, and merchandizing but not wanting a vocational certificate should take both Biology 114 and Chemistry 114. Majors in Family Relations and Child Development will do the same.

Suggested Electives: For Freshman Year: Art 122, Typing, additional Science, second teaching field, Sociology, Mathematics.
For Sophomore Year: English or American Literature, House Planning 234, second teaching field, language, Religious Education, Music, additional Clothing.

TWO-YEAR HOME ECONOMICS-BUSINESS CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Food Preparation 113	3	Clothing Construction 103-113	3
Family Relations 113	3	Personal Health 152	2
Typing 133-253	3	Add. Typing-Shorthand or Dictation-Transcription	6
Shorthand 113-123	3	Speech 112—Fundamentals	2
Phys. Ed. 111	1	Phys. Ed. 121	1
Total	16 hrs.	Total	17 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Hist. 223—American	3	Govt. 213—Federal	3
Clothing 113-223	3	Foods 112	4
Consumer Problems 213	3	House Plan. & Decor. 234	3
Business Communications 213	3	Business Communications 223	2
Child Care 212	2	Bus. Machines 212	3
Biol. 114 or Chem. 114	4	Acctg. 213—Principles	3
Phys. Ed. 211	1	Phys. Ed. 221	1



Reserve Officer Training Corps

A senior division of the ROTC is maintained at Cameron as part of its contribution to the defense program. The Military Department is administered as an independent unit of the College, operating directly under the President of the College, and in this capacity the department provides basic training instruction.

Basic Course

All male students entering the college must enroll in the basic course. On application to the Professor of Military Science and Tactics, students may be granted postponement of, or exemption from, part or all of the basic course for any of the following reasons:

- a. Physical disability.
- b. Night or part-time student status, only so long as such status exists.
- c. Active service or active duty for training in United States Army, Navy, Air Force, Marine Corps, or Coast Guard.
- d. Male students 23 years of age or over on date of enrollment are exempt from ROTC training.

Uniforms and Equipment

The federal government supports military training in providing uniforms, furnishing certain instructional materials, weapons, equipment, and the necessary personnel for instruction and administration. The president of the college is bonded for the full value of Government property so furnished.

The uniform should always be worn properly and neatly, with strict attention to details. Only in this way will the student's appearance be a credit to himself and to his college.

The regulations concerning the wearing of the uniform are applicable not only during military instruction but also whenever the student is in public places. The complete uniform will be worn; no part of it will be worn with civilian attire.

Conduct

Each student is required to attend all scheduled drill and class formations unless excused by proper authority and such authority must be presented to the military instructor.

There is a system of demerits in operation to keep ordinary infraction of department regulations to the minimum.

Upon application to his instructor in military science, a student may remove demerits for minor delinquencies at the rate of two an hour by doing extra military work; or certain number by a stipulated military task, research, or essay, provided application for the assignment is made and the work done within three weeks of the date upon which demerits were received. Working off demerits is optional.

The final grade in basic course will be lowered one-half of one per cent for each unremoved demerit.

Discipline

While actually under military instruction, students will be considered as being on a strictly military status. They will observe the traditional gentlemanly courtesies customary among military men. The instruction of the basic course is meant to indicate in the individual, a respect for proper authority, based on the principles that one cannot lead properly unless he first learns to obey.

Cadet officers and noncommissioned officers are appointed by the President of the College upon recommendation of the Professor of Military Science and Tactics and are to be obeyed and respected accordingly.

Cadet officers are required to pick out and correct mistakes at practical exercises.

Instruction

All military instruction is under the immediate charge of officers of the Army of the United States detailed by the Secretary of Defense for duty at the College.

All students in the basic course attend five (5) hours of scheduled instruction each week of the academic year, except during the periods authorized by the Professor of Military Science and Tactics.

Grades in all military science courses will be in accordance with standards listed for the rest of the college. Grades will be determined after the consideration of the student's examination, conduct (demerits), attendance, and inspections.



The ROTC Drill Team

Division of Terminal Education

There is an ever increasing demand that the junior college provide adequate training to that large group of students who do not continue their studies into the field of higher education but who enter business or industry at the close of their first or second year of college.

The Division of Terminal Education is designed to serve this group in providing them some occupational training and in helping to develop their personal adequacy to the extent that they may learn to think clearly, to communicate their ideas effectively, to adapt themselves socially, to utilize their leisure time advantageously, and to serve their community. Though various two-year or terminal curricula have been listed previously under the different divisions, there are some students whose needs do not fit into any of these patterns. Therefore, here the number of required courses has been held to a minimum, leaving the student free to choose those courses from among the total offerings of the college which he feels will best meet his individual needs.

In setting up the curriculum, required courses are specified which will provide knowledge necessary for effective living. Since the remaining courses may be chosen from any course of study, all work taken in the terminal curriculum would not necessarily apply as credit toward a Bachelor's Degree at a senior college should the student later decide to continue his formal education. However, it is felt that much of the work would so apply. Thus the student would not be penalized heavily if his objective is changed.

The required courses are as follows:

American history and government	-----	6 hours
English	-----	6 hours
Speech	-----	2 hours
Mathematics	-----	3 hours
Science	-----	4 hours
Physical Education or Mil. Sci.	-----	4 or 8 hours
Electives	-----	35 or 39 hours
Total	-----	64 hours

The number of hours, number of grade points, and all other general requirements for graduation as listed on pages 25 and 26 of this catalogue are the same in the Division of Terminal Education as in the other Divisions of the college.

Evening Classes For Adults

(A part of the Division of Terminal Education)

PURPOSE

More and more the demands of modern business and industry are for increased schooling and better education for those seeking jobs therein. To help satisfy this demand, the college offers evening classes for those who find it impossible to attend regular day classes but who wish to attain one of the following goals:

1. **JOB ADVANCEMENT**—The commerce courses are especially designed to help you advance in your present job or to qualify for a better one.
2. **GAIN FURTHER COLLEGE CREDIT** either in a few required courses not yet completed or on a regular planned program looking toward graduation from Cameron.
3. **PURSUE A HOBBY**—Recreation and much enjoyment can come through the effective use of leisure time. Through evening classes you may be able to do the things you have always wanted to do but never have found time for.
4. **COMPLETION OF HIGH SCHOOL**—Certain courses may be transferred back to high school credit and used to complete the requirements for high school diploma at your home school.

GENERAL INFORMATION

TIME—7:00 to 10:00 P. M. twice per week for nine weeks. There are some exceptions to this. Four semester hour laboratory courses such as chemistry meet three times per week for nine weeks; while five semester hour courses meet for fifteen weeks. In the past all classes have met on Monday and Thursday nights with Wednesday being the third night where it was required. Thus only one course may be taken in any one nine weeks period.

COST—Lecture courses, \$6.00 per semester hour, making the majority of courses cost \$18.00 per semester. Shop course and those courses that are primarily laboratory are \$30.00 per course irrespective of credit. Shop courses will meet 54 clock hours per semester.

SIZE OF CLASSES—There must be an enrollment of at least ten students for each course offered. This is the bare minimum to meet the cost of the course. A class cannot be started for fewer people. For this reason **there can be no refund of fees if the student finds that he cannot complete the course.**

MEETING PLACE—For the last several sessions all classes have met on the campus, with enrollment being held in the college auditorium.

WHO MAY ENROLL—Any Adult. High school graduation is not required. Regular day students, except in very rare instances, will not be permitted to enroll in night classes. Those who desire regular college credit for their work will necessarily meet one of the five conditions of entrance, (b) to (f) listed on page 23.

ENROLLMENT DATES—Summer 1958, Monday and Tuesday, June 2-3, 7:00 P. M. in the college auditorium on the campus; Fall term 1958, Wednesday and Thursday, Sept. 10-11, in the college auditorium at 7:00 P. M.; Winter term, Monday and Tuesday, Jan. 12-13, 1959, same place and hour; Spring term, 1959, Wednesday and Thursday, March 18-19, same place and hour. Those who cannot enroll at these times should pre-enroll at the Dean's office the week prior to the regular time of such enrollment. All classes remain open for enrollment for the first three sessions, but those who expect to receive credit and who enroll late must make up any work missed.

BOOKS—Books and supplies may be obtained from the college bookstore. It will be open on enrollment night. After that books may be obtained from the instructor.

COURSES OFFERED

BUSINESS: (See pages 59-60 for descriptions)

Accounting 213-223	Salesmanship 203
Business Communications 213	Shorthand 113-123
Business Law 213	Typing 103-133-253

GENERAL COURSES: (See pages 51-59 for descriptions)

Any course in the Divisions of Arts and Sciences for which there is sufficient demand will be given. In the past the following courses have been asked for most often:

English 113-123	German 113-123
English Usage 203	Intermediate Algebra 143
English Literature 213-223	College Algebra 173
American Literature 283-293	Analytic Geometry 194
Economics 213-223	Calculus 214-224
American History 213-223	General Chemistry 114-124
Speech 213	Psychology 113
French 115-125	Sociology 113
Botany 114	European History 143-153
Federal Govt. 213	Spanish 115-125
Physics 114-124	Trigonometry 183

HOME ECONOMICS: (See pages 62-63 for descriptions)

Clothing 103-113	Costume Design 233
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SHOP: (See page 61 for descriptions)

Bench Woodwork 113	Engineering Drawing 112
Acetylene Welding 271	Arc Welding 281

DESCRIPTION OF COURSES

AGRICULTURAL COURSES

AGRICULTURAL ECONOMICS 203—PRINCIPLES. Class 3 hours, credit 3 hours. Prerequisite: Sophomore standing. The general elementary principles of economics as applied to agricultural production.

AGRICULTURAL ENGINEERING 122—FARM MACHINERY. Class 1 hour, laboratory 3 hours, credit 2 hours. Adjustment, operation, care and repair of tillage, seeding, and harvesting machinery.

AGRICULTURAL ENGINEERING 202—SOIL CONVERSATION ENGINEERING. Class 1 hour, laboratory 3 hours, credit 2 hours. Classroom and field exercises in mapping, terracing, contouring, farm surveying, farm and pond layout, and soil and moisture conservation.

ANIMAL HUSBANDRY 113—TYPES AND MARKET CLASSES OF CATTLE, SHEEP, HOGS AND HORSES. First semester. Class 2 hours, laboratory 2 hours, credit 3 hours. A study of the market types, classes, and grades of cattle, swine, sheep, and horses strictly from the market standpoint. Recommended for all students in livestock judging and production.

ANIMAL HUSBANDRY 123—LIVESTOCK FEEDING. Second semester. Class 2 hours, laboratory 2 hours, credit 3 hours. An elementary study of livestock feeding problems. The selection and preparation of feeds for the different classes of livestock. Practical feeding methods, balancing rations for various kinds of livestock.

ANIMAL HUSBANDRY 223—BREEDS OF LIVESTOCK. First semester. Class 2 hours, laboratory 2 hours, credit 3 hours. Prerequisite: A. H. 113. Origin, history, coming development, and characteristics of breeds of horses, cattle, sheep, and hogs.

ANIMAL HUSBANDRY 110—LIVESTOCK JUDGING. Laboratory 2 hours, credit 0. Practice in judging cattle, sheep, and hogs.

DAIRY 111—DAIRY CATTLE. Either semester. Laboratory 2 hours, credit 1 hour. A study of dairy cattle, breeds, elementary work in judging, selection and care of dairy cattle.

DAIRY 113—DAIRY CATTLE MANAGEMENT. Each semester. Class 2 hours laboratory 2 hours, credit 3 hours. An introduction to the principles and practices of dairy cattle feeding and management.

ENTOMOLOGY 224—GENERAL ENTOMOLOGY. Second semester. Class 3 hours, laboratory 2 hours, credit 4 hours. A general study of the biology and classification of insects with life histories and methods of control of the more important species.

FIELD CROPS 233—FORAGE CROPS AND PASTURES. Second semester. Class 2 hours, laboratory 2 hours, credit 3 hours. Prerequisite: Field Crops 113 and Botany 114. Varieties, culture and production of field crops for hay, pasture, and silage. A year round pasture program for Oklahoma.

FIELD CROPS 204—PRINCIPLES OF CROP PRODUCTION. Second semester. Class 3 hours, laboratory 2 hours, credit 4 hours. Prerequisite: Botany 114. Classification, distribution, identification and culture of important cereal, fiber, forage, legumes, and certain special crops with emphasis on the principles of crop production.

FIELD CROPS 221—CROP IDENTIFICATION. Second semester. Laboratory 2 hours, credit 1 hour. Judging, identification and grading of

the most important crop seeds with special emphasis placed on factors influencing the quality of seeds.

FIELD CROPS 110—CROP JUDGING. First semester. Laboratory 2 hours, credit 0. Selecting and judging seeds. Factors influencing quality of seeds.

HORTICULTURE 103—GENERAL HORTICULTURE. Second semester. Class 2 hours, laboratory 2 hours, credit 3 hours. An introductory course in horticulture including a study of principles and practices underlying the production of fruits and vegetables; with a short introduction of floriculture and forestry. The importance of a farm garden.

POULTRY 104—FARM POULTRY. First semester. Class 3 hours, laboratory 2 hours, credit 4 hours. The practical applications of the principles of poultry husbandry to general farm conditions. An introductory course for those expecting to major in Poultry Husbandry. Recommended as a good practical course in Poultry Husbandry.

SOILS 224—FUNDAMENTALS OF SOIL SCIENCE. First semester. Class 3 hours, laboratory 2 hours, credit 4 hours. Prerequisites: Chem. 114-124 or equivalent. A general course dealing with the origin, formation, composition and classification of soils and the principal chemical, physical and biological properties of soils in relation to plant growth, soil productivity and land use.

ARTS AND SCIENCE COURSES

ART 112—ART PRINCIPLES. Laboratory 4 hours, credit 2 hours. An elementary study of problems and practices in freehand drawing and lettering. Recommended for elementary Education majors.

ART 122—ART PRINCIPLES. Laboratory 4 hours, credit 2 hours. Continuation of art principles already learned in art 112 as applied to work in Color and Design.

BACTERIOLOGY 224—GENERAL BACTERIOLOGY. Class 2 hours, laboratory 4 hours, credit 4 hours. Prerequisite: Chemistry 114 and either Botany 114 or Zoology 214. An introductory study to acquaint the student with the general principles of bacteriology.

BIOLOGY 114—GENERAL BIOLOGY. Class 3 hours, laboratory 2 hours, credit 4 hours. An introductory study of the life processes and the variety of life. Protoplasm, cells, vital functions, classification, and familiarization surveys of the plant and animal kingdoms are treated. Emphasis is given to the study of seed plant, appreciation of the beauty and organization of nature, and the benefits man derives from the living world. Not intended for science majors.

BIOLOGY 124—GENERAL BIOLOGY. Class 3 hours, laboratory 2 hours, credit 4 hours. Prerequisite: Biology 114. A study of the vertebrate animal with careful consideration of the human body and its processes. The amphibian is used for laboratory study and is compared with mammal. Other topics studied are heredity, disease, disease transmission, immunity, ecology, and development of the forms. The application of principles to the problems of man and his society is a factor of each discussion. Not intended for science majors.

BOTANY 114—GENERAL BOTANY. First semester. Class 3 hours, laboratory 2 hours, credit 4 hours. The study of structure and function of the seedplants. Morphology of stems, roots, leaves, flowers, fruits and seeds. The physiology of primary and secondary functions of the plant.

BOTANY 124—GENERAL BOTANY. Second semester. Class 3 hours, laboratory 2 hours, credit 4 hours. A survey of the entire plant kingdom from the simplest to the highest seed-bearing plants stressing life histories, relationships, origin, and evolution of the plant kingdom.

CHEMISTRY 113—GENERAL CHEMISTRY. Second semester. Class 2 hours, laboratory 3 hours, credit 3 hours. An introductory course for

home economics students, and those students planning pre-nursing. Those who have had chemistry in high school should take Chemistry 115.

CHEMISTRY 123—GENERAL CHEMISTRY. Second semester. Class 2 hours, laboratory 3 hours, credit 3 hours. Prerequisite: Chemistry 113. Continuation of General Chemistry and an introduction to elementary organic and foods.

CHEMISTRY 114—GENERAL CHEMISTRY. First semester. Class 3 hours, laboratory 3 hours, credit 4 hours. This course is recommended for those who have had no high school chemistry. The course deals with the fundamental principles of chemistry and offers an introduction to all branches of chemistry. Those who had chemistry in high school should take Chemistry 115.

CHEMISTRY 124—GENERAL CHEMISTRY. Second semester. Class 3 hours, laboratory 3 hours, credit 4 hours. Prerequisite: Chemistry 114. Continuation of General Chemistry and an introduction to elementary qualitative analysis of common metals.

CHEMISTRY 115—GENERAL CHEMISTRY. First semester. Class 4 hours, laboratory 3 hours, credit 5 hours. Prerequisite: High School Chemistry or permission. Those who have had high school chemistry should register for this course instead of the other general chemistry course. Similar to Chemistry 114 and 124 but completed in one-half the time. An honor course for those who, by virtue of previous training and experience, are capable of doing the work.

CHEMISTRY 224—QUALITATIVE ANALYSIS. Second semester. Class 2 hours, laboratory 6 hours, credit 4 hours. Prerequisite: Chemistry 115 or Chemistry 114 and 124. The theory and technique of semimicro methods and analysis of the common metals and acid radicals.

CHEMISTRY 203—ORGANIC CHEMISTRY FOR HOME ECONOMICS STUDENTS. Class 2 hours, laboratory 3 hours, credit 3 hours. Prerequisite: Chemistry 113 and 123. Required of sophomores in Home Economics. The occurrence, methods of preparation, characteristic reactions and properties of the more common organic compounds with special reference to the compounds studied in foods.

CHEMISTRY 215—QUANTITATIVE ANALYSIS. First semester. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Chemistry 115 or Chemistry 114 and Chemistry 124. The theory and technique of quantitative analysis includes both volumetric and gravimetric methods.

CHEMISTRY 235—ORGANIC CHEMISTRY. First semester. Class 3 hours, laboratory 4 hours, credit 5 hours. Prerequisite: Chemistry 114 and 124. Required of pre-medical students. Lecture on the general principles and theories of the chemistry of carbon compounds, methods of preparation, and the reaction of aliphatic and aromatic compounds.

CHEMISTRY 245—ORGANIC CHEMISTRY FOR AGRICULTURAL STUDENTS. First semester. Class 3 hours, laboratory 4 hours, credit 5 hours. Prerequisite: Chemistry 114 and 124. A brief introduction to the fundamentals of organic chemistry and methods of preparation of the common organic compounds.

DRAMATICS 113—PLAY PRODUCTION. Class 3 hours, credit 3 hours. Study of one-act and three-act plays as to suitability of production, fundamentals of acting. Practical experience in lighting, stage craft make-up, costuming.

DRAMATICS 123—PLAY PRODUCTION. Class 3 hours, credit 3 hours. Continuation of Dramatics 113.

ENGLISH 113—FRESHMAN ENGLISH. Either semester. Class 3 hours, credit 3 hours. Drill on the whole composition, paragraph, sentence, the forms of discourse, the use of the library, and research papers.

ENGLISH 123—FRESHMAN ENGLISH. Second semester. Class 3 hours, credit 3 hours. Prerequisite: English 113. Continuation of the above course. Selected types of literature included.

ENGLISH 203—ENGLISH USAGE. Class 3 hours, credit 3 hours. Prerequisite: English 113 and 123. Special work in functional usage and emphasis placed on effective speech and writing.

ENGLISH 213—SURVEY OF ENGLISH LITERATURE. First semester. Class 3 hours, credit 3 hours. Prerequisite: English Composition 113 and 123. A study of English literature from its beginning to the close of the seventeenth century.

ENGLISH 223—SURVEY OF ENGLISH LITERATURE. Second semester. Class 3 hours, credit 3 hours. Prerequisite: English literature 213. A study of English literature from the close of the seventeenth century to the present.

ENGLISH 233—ADVANCED COMPOSITION. First semester. Class 3 hours, credit 3 hours. Prerequisite: English 113 and 123. A study of organization, style, and effectiveness in the student's own composition.

ENGLISH 243—ADVANCED COMPOSITION. Second semester. Class 3 hours, credit 3 hours. Prerequisite: English Composition 123. A study of kind of writing with emphasis on the informal essay for the purpose of improvement of style.

ENGLISH 252—USE OF BOOKS AND THE LIBRARY. Either semester. Class 2 hours, credit 2 hours. Prerequisite: English 113. A study of major reference in various fields of knowledge; simple forms of bibliography-making; general principles of library arrangement; intelligent use of library resources.

ENGLISH 253—JOURNALISM. First semester. Class 3 hours, laboratory 2 hours, credit 3 hours. An introduction to newspaper writing. The technique of news story writing and the kinds of news and their resources.

ENGLISH 263—JOURNALISM. Second semester. Class 3 hours, laboratory 2 hours, credit 3 hours. Prerequisite: Journalism 253. News writing is continued with study of the mechanical side of the newspaper and editing.

ENGLISH 273—JOURNALISM. Either semester. Class 3 hours, credit 3 hours. Practice in gathering and writing all kinds of news.

ENGLISH 283—AMERICAN LITERATURE. First semester. Class 3 hours, credit 3 hours. Prerequisite: English Composition 113 and 123. A study of American Literature from its beginning to Whitman.

ENGLISH 293—AMERICAN LITERATURE. Second semester. Class 3 hours, credit 3 hours. Prerequisite: English Composition 113 and 123. A study of American literature from Whitman to the present.

FIRST AID 202—Second semester. Class 2 hours, credit 2 hours. The care and prevention of injuries.

FRENCH 115—BEGINNING FRENCH. First semester. Class 5 hours, credit 5 hours. Essentials of French grammar, pronunciation, reading, composition, dictation, conversation.

FRENCH 125—BEGINNING FRENCH. Second semester. Class 5 hours, credit 5 hours. Prerequisite: French 115 or equivalent. Continuation of French 115.

FRENCH 213—INTERMEDIATE FRENCH. First semester. Class 3 hours, credit 3 hours. Prerequisite: French 125 or equivalent. Reading of moderately difficult text; thorough review of minimum essentials of French grammar; conversation and composition.

FRENCH 223—INTERMEDIATE FRENCH. Second semester. Class 3 hours, credit 3 hours. Prerequisite: French 213 or equivalent. Continuation of French 213.

GEOGRAPHY 213—PRINCIPLES OF GEOGRAPHY. First semester. Class 3 hours, credit 3 hours. The effect of climate, soil, vegetation, and relief upon the social activities of man. The principles of geography in its human aspects.

GERMAN 113—BEGINNING GERMAN. First semester. Class 3 hours, credit 3 hours. Intensive course of essentials of German grammar, pronunciation, reading, composition, dictation, conversation.

GERMAN 123—BEGINNING GERMAN. Second semester. Class 3 hours credit 3 hours. Prerequisite: German 113 or equivalent. Continuation of German 113.

GOVERNMENT 213—FEDERAL GOVERNMENT. Each semester. Class 3 hours, credit 3 hours. An analytical study of the national government treating the theories of formation and essential prerequisites of a state; English and colonial origins; Articles of Confederation, Constitutional convention; growth of the Constitution; the citizen and his rights; history and function of political parties; presidential powers and functions; the cabinet; and the administrative and federal emergency agencies; organization powers and functions of Congress; Supreme Court and administration of justice; the American philosophy of government.

GOVERNMENT 223—STATE GOVERNMENT. Second semester. Class 3 hours, credit 3 hours. Prerequisite: Govt. 213. The place of the state in the American federalism; the governor; legislature; courts; regulation of business; labor; education health; charities; highways; public finance; the police power; civil service; governmental reorganization; government of municipalities and counties.

HISTORY 112—OKLAHOMA HISTORY AND GOVERNMENT. Each semester. Class 2 hours, credit 2 hours. This course includes the story of the exploration of Oklahoma; the Five Civilized tribes in Oklahoma; Civil War and reconstruction; Plains Indians; range cattle industry; coming of the homesteader; development of Oklahoma and Indian territories; statehood, government of the state; political history since statehood; economic and cultural development of the state. (Meets the requirements in Oklahoma history for state teachers' certification.)

HISTORY 143—EUROPEAN HISTORY. First semester. Class 3 hours, credit 3 hours. A study of Europe from 1500 to 1815. Course deals with the states of Europe at the dawn of the Modern Age; the age of the Reformation; Europe in the age of Louis XIV; the Eighteenth century including emergence of Russia, struggle for colonies, intellectual revolution, government and society under the old regime; era of the French Revolution and Napoleon.

HISTORY 153—HISTORY OF MODERN EUROPE. Second semester. Class 3 hours, credit 3 hours. Course is a study of Europe since 1815, including the era of Metternich; the industrial revolution, nationalism, democracy; unification of Italy and Germany, decay of Ottoman Empire; imperialism; the World War and its causes; Treaty of Versailles; post-war reconstruction; Russian revolution; rise of communism; facism; and nazism; World War II.

HISTORY 213—HISTORY OF THE UNITED STATES. Each semester. Class 3 hours, credit 3 hours. Covers the period from 1492 to 1865. Course deals with the founding and development of the colonies; the American revolution; the Confederation; the formulation of the Constitution; the development of the West; Jacksonian democracy; the Mexican war and expansion; the background of the civil war; the progress of the civil war.

HISTORY 223—HISTORY OF THE UNITED STATES. Each semester. Class 3 hours, credit 3 hours. Period of 1865 to the present. Course deals with reconstruction; economic and social life of the people; rise of big business; the labor movement; overseas expansion; progressivism;

war and peace, 1924-1929; domestic problems of the twenties; depression and the New Deal; World War II; the post-war world.

HYGIENE 222—PERSONAL HYGIENE APPLIED. Either semester. Class 2 hours, credit 2 hours. A course dealing with phases of personal hygiene and such social hygiene problems as will make safety for both the individual and the community. (This course meets the requirements of Health Education required for teacher's certificates.) Open to both men and women.

MATHEMATICS 123—BEGINNING ALGEBRA. Class 5 hours, credit 3 hours. The equivalent of a year of high school algebra.

MATHEMATICS 103—PLANE GEOMETRY. Class 3 hours, credit 3 hours. Prerequisite: One year of high school algebra or permission. The equivalent of a year of plane geometry in high school.

MATHEMATICS 113—BUSINESS MATHEMATICS. Either semester. Class 3 hours, credit 3 hours. This is a review of the fundamental operations of arithmetic, with the introduction of new, time-saving methods in addition, subtraction, multiplication, and division. This course also deals with practice in solving practical business problems of all kinds with emphasis in business methods.

MATHEMATICS 143—INTERMEDIATE ALGEBRA. Either semester. Class 3 hours, credit 3 hours. Prerequisite: One year of high school algebra. Fundamental Algebra operations. No credit for students who have a year and a half of high school algebra and for students in the School of Engineering.

MATHEMATICS 152—SOLID GEOMETRY. Class 2 hours, credit 2 hours. Prerequisite: Plane geometry and one year of high school algebra or equivalent. Lines and Planes in space, the common solids, applications.

MATHEMATICS 173—COLLEGE ALGEBRA. Either semester. Class 3 hours, credit 3 hours. Prerequisite: One and half years of high school algebra and one year of plane geometry. Theory of exponents; equations, variables, and functions; logarithms; mathematical introductions; binomials theorem; progressions; complex numbers; partial fractions.

MATHEMATICS 183—PLANE TRIGONOMETRY. Either semester. Class 3 hours, credit 3 hours. Prerequisite: One and a half years of algebra and one year of plane geometry. The development and use of trigonometric functions; relations between the functions; logarithms, solutions of triangles; applications to practical problems throughout the course.

MATHEMATICS 194—ANALYTICS. Second semester. Class, 4 hours, credit 4 hours. Prerequisite: Math. 173 and 183. Coordinates; applications; the locus and the equation; the straight line; the circle; polar coordinates; the equation of the second degree; analytical geometry of three dimensions.

MATHEMATICS 214—DIFFERENTIAL CALCULUS. First semester. Class 4 hours, credit 4 hours. Prerequisite: Analytics 194. Introduction of calculus; infinitesimals; limits, derivatives differentiation of algebraic circular exponential and logarithmic functions; higher derivatives; maxima and minima; Taylor's and Maclaurin's series. Indeterminate forms, curvature.

MATHEMATICS 224—INTEGRAL CALCULUS. Second semester. Class 4 hours, credit 4 hours. Prerequisite: Calculus 214. Polar coordinates; differentials integrations; improper integrals; applications to length of curves, areas, centers of gravity, and moments of inertia.

MUSIC 113—HARMONY. First semester. Class 3 hours, credit 3 hours. Study of keys, scales, intervals, and cadences; principal triads of major and minor keys; dominant seventh chords. Writing four-part harmony from melody and figured bass. Original composition. Simple analysis. Keyboard harmony.

MUSIC 123—HARMONY. Second semester. Class hours, credit 3 hours. Prerequisite: Harmony 113. Secondary triads, leading tones seventh, diminished seventh, and dominant ninth; key relationship and modulation. Keyboard work. Original composition and harmonic analysis.

MUSIC 132—EAR TRAINING. First semester. Class 2 hours, credit 2 hours. Sight singing. Melodic, rhythmic and harmonic dictation.

MUSIC 142—EAR TRAINING. Second semester. Class 2 hours, credit 2 hours. Prerequisite: Ear training 132. Continuation of Ear Training 132

MUSIC 213—HARMONY. First semester. Class 3 hours, credit 3 hours. Prerequisite: Harmony 123. Complete study of harmonic resources through secondary seventh chords. Original composition. Analysis. Keyboard harmony.

MUSIC 223—HARMONY. Second semester. Class 3 hours, credit 3 hours. Prerequisite: Harmony 213. Chromatically altered chords, non-chordal tones, chromatic modulation, irregular resolutions of the dominant seventh. Original composition. Analysis. Keyboard harmony.

MUSIC 232—EAR TRAINING. First semester. Class 2 hours, credit 2 hours. Prerequisite: Ear Training 142. Sight singing. Melodic dictation involving difficult skips and rhythms. Harmonic dictation including secondary seventh chords and inversions, modulations, chromatically altered chords.

MUSIC 242—EAR TRAINING. Second semester. Class 2 hours, credit 2 hours. Prerequisite: Ear Training 232. Continuation of Ear Training 232

MUSIC 212—MUSIC APPRECIATION. Each Semester. Class 2 hours, credit 2 hours. Primarily for non-music majors. Designed to bring an increased awareness of our cultural heritage through an acquaintance with music in variety of styles. The course will include listening to recorded music and live performances when possible, group discussion, lectures and assigned readings.

MUSIC EDUCATION 102—Class 2 hours, credit 2 hours. Prerequisite: Permission. A course in the presentation of music to children in the grades. Not open for credit to music majors.

MUSIC 110—CLASS PIANO. Class 2 hours, practice 1 hour per day, credit 2 hours. Prerequisite: permission. Beginning Piano. May be repeated once for credit.

MUSIC 120, 210, 220—PIANO. Two thirty-minute individual lessons per week, practice 2 hours per day (For music majors), credit 2 hours. Prerequisite: Permission and Music 110 or equivalent. Or for non-majors, one thirty minute lesson per week, one hour practice per day, one hour credit.

MUSIC 130—CLASS VOICE. Class 2 hours, practice 1 hour per day, credit 2 hour. Prerequisite: permission. Beginning voice. May be repeated once for credit.

MUSIC 140—VOICE. Prerequisite: Permission and Music 130 or equivalent. 2 thirty-minute individual lessons per week, practice 2 hours per day for music majors. Credit 2 hours. Or for non-majors, one thirty minute lesson per week, 1 hour practice per day, one hour credit. May be repeated for credit.

MUSIC 112—BRASS INSTRUMENT CLASS. First semester. Class 2 hours, practice 1 hour per day, credit, 2 hours. Beginning instruction on brass instruments. Some instruments are available.

MUSIC 122—WOODWIND INSTRUMENT CLASS. Second semester. Class 2 hours, practice 1 hour per day, credit 2 hours. Beginning instruction on all woodwind instruments. Some instruments are available.

MUSIC 252—INDIVIDUAL INSTRUMENT LESSONS. 2 thirty

minute individual lessons per week, practice 2 hours per day, credit 2 hours. Prerequisite: permission and Music 112 and 122 or equivalent. For music majors only. May be repeated once for credit.

MUSIC 111, 121, 211, 221—CHORUS. Class 2 hours, credit 1 hour.

MUSIC 151, 161, 251, 261—BAND. Class 3 hours, credit 1 hour.

PHYSICAL EDUCATION 111—Three clock hours per week, credit 1 hour. For first semester freshman. Gymnastics, calisthenics, games.

PHYSICAL EDUCATION 121—Three clock hours per week, credit 1 hour. For second semester freshman. A continuation of P. E. 111.

PHYSICAL EDUCATION 211—Three clock hours per week, credit 1 hour. For the first semester sophomores. Advance for second year activities and skills beyond but similar to accomplishments of the first year.

PHYSICAL EDUCATION 221—Three clock hours per week, credit 1 hour. For second semester sophomores. A continuation of P. E. 211.

PHYSICAL EDUCATION FUNDAMENTALS 152 (Theory)—Class 2 hours, credit 2 hours. A course dealing with fundamentals of organized activities, leadership, organization, physical training and diet, selection and usage of equipment and interpretation of game rules.

PHYSICS 114—GENERAL PHYSICS. First semester. Class 3 hours, laboratory 3 hours, credit 4 hours. Prerequisite: Plane Geometry and Algebra 173. A first course in college physics, mechanics, heat and sound. (Not open to engineering students.)

PHYSICS 124—GENERAL PHYSICS. Second semester. Class 3 hours, laboratory 3 hours, credit 4 hours. A continuation of Physics 114. Light, electricity and modern physics. (Not open to engineering students.)

PHYSICS 215—GENERAL PHYSICS. Class 4 hours, laboratory 3 hours, credit 5 hours. Prerequisite: Trigonometry or permission. A first course in college physics including mechanics, heat and sound.

PHYSICS 225—GENERAL PHYSICS. Class 4 hours, laboratory 3 hours, credit 5 hours. Prerequisite: Physics 215 or equivalent. The second semester of college physics including electricity, light, and atomic physics.

PHYSIOLOGY 213—HUMAN PHYSIOLOGY. First semester. Class 3 hours, credit 3 hours. Required on Physical Education. Elective for students majoring in non-science courses. An introduction to the structure and function of the various systems of the human body.

PSYCHOLOGY 113—ELEMENTS OF PSYCHOLOGY. Either semester. Class 3 hours, credit 3 hours. An explanation and description of mental phenomena, and effective study habits and personal adjustment problems.

RELIGIOUS EDUCATION 112—OLD TESTAMENT HISTORY AND LITERATURE. First Semester. Class 2 hours, credit 2 hours. A survey course covering the entire Old Testament.

RELIGIOUS EDUCATION 122—NEW TESTAMENT HISTORY AND LITERATURE. Second Semester. Class 2 hours, credit 2 hours. A study based upon the New Testament records and other related sources.

RELIGIOUS EDUCATION 212—THE PROPHETS. Class 2 hours, credit 2 hours. A study of Old Testament history covering the area of the major and minor prophets.

RELIGIOUS EDUCATION 222—LIFE AND LETTERS OF PAUL. Class 2 hours, credit 2 hours. A more detailed study of New Testament history and literature based on the books of The Acts and the Letters of Paul to the New Testament Churches.

SOCIOLOGY 113—PRINCIPLES OF SOCIOLOGY. First semester.

Class 3 hours, credit 3 hours. A general survey of the scope and problems of sociology; a study of the forces which cause the development of human relationships which influence the rise and growth of peoples, and impel the organizations composing human society.

SOCIOLOGY 213—SOCIAL PROBLEMS. Second semester. Class 3 hours, credit 3 hours. The nature and solution of such current problems as broken homes, employment of women and children, immigration, group conflict, congestion, unemployment, poverty, disease, crimes, and war.

SPANISH 113—BEGINNING SPANISH. Either semester. Class 3 hours, credit 3 hours. Intensive course of essentials of Spanish grammar, pronunciation, reading, composition, dictation, conversation. Especially designed for adult students.

SPANISH 123—BEGINNING SPANISH. Either semester. Class 3 hours, credit 3 hours. Prerequisite: Spanish 113 or equivalent. Continuation of Spanish 113.

SPANISH 115—BEGINNING SPANISH. First semester. Class 5 hours, credit 5 hours. Essentials of Spanish grammar, pronunciation, reading, composition, dictation, conversation.

SPANISH 125—BEGINNING SPANISH. Second semester. Class 5 hours, credit 5 hours. Prerequisite 115 or equivalent. Continuation of Spanish 115.

SPEECH 112—FUNDAMENTALS OF SPEECH. Either semester. Class 2 hours, credit 2 hours. Elements of speech and principles of speaking in everyday relationships and public address.

SPEECH 122—FUNDAMENTALS OF SPEECH. Second semester. Class 2 hours, credit 2 hours. Prerequisite: Speech 112. A continuation of Speech 112.

SPEECH 113—DEBATE. Class 3 hours, credit 3 hours. A study of the theory of argumentation and debate. Practice in debating, both in class and contest debates, is an essential part of this course.

SPEECH 213—FORMS OF PUBLIC ADDRESS. First semester. Class 3 hours, credit 3 hours. Prerequisite: 112 and 122 or permission. Study of practical speeches such as radio, extemporaneous, after-dinner, and other such speeches. Practice in adapting material to the occasion.

SPEECH 223—FORMS OF ADDRESS. Second semester. Class 3 hours, credit 3 hours. Prerequisite: Speech 213. A continuation of Speech 213.

SPEECH 233—ORAL READING. Class 3 hours, credit 3 hours. Prerequisite: Speech 112 or permission. Fundamentals of oral interpretation of all forms of literature, both poetry and prose. Public appearance required.

SPEECH 243—ORAL READING. Class 3 hours, credit 3 hours. Prerequisite: Speech 233. Continuation of Speech 233. Emphasis on the selection, cutting, arrangements and presentation of material to radio and other audiences.

SPEECH 273—ELEMENTS OF BROADCASTING. Class 3 hours, credit 3 hours. Prerequisite: Speech 112 or permission. Elementary classroom and workshop activities which give the students an opportunity for writing, announcing, acting and directing; listing activities; study of background of radio broadcasting.

SPEECH 283—ELEMENTS OF BROADCASTING. Class 3 hours, credit 3 hours. Prerequisite: Speech 273. Study of radio speech, drama, interview, roundtable discussion, radio writing, and special types of radio programs.

ZOOLOGY 214—GENERAL ZOOLOGY. Each semester. Class 3 hours, laboratory 2 hours, credit 4 hours. Brief survey of the animal

kingdom. Structure and function as well as evolution of the systems of the organism as relates to the vertebrate animal.

ZOOLOGY 224—VERTEBRATE ZOOLOGY. Second semester. Class 2 hours, laboratory 6 hours, credit 4 hours. A study of the classes of vertebrate animals. Classification, morphology, physiology, economic importance of the vertebrates.

BUSINESS COURSES

ACCOUNTING 213—ELEMENTS OF ACCOUNTING. Either semester. Class 3 hours, laboratory 2 hours, credit 3 hours. A study of book-keeping principles, and practice in recording business transactions, included in a study of financial statements and practice in ledger closing.

ACCOUNTING 223—ELEMENTS OF ACCOUNTING. Second semester. Class 3 hours, laboratory 2 hours, credit 3 hours. Prerequisite: Accounting 213. Problems and discussion of partnership and corporation accounting, together with an elementary study of cost accounting.

BUSINESS 113—INTRODUCTION TO BUSINESS. Class 3 hours, credit 3 hours. A survey course in elementary business principles designed specifically for the terminal business student.

BUSINESS 212—OFFICE MACHINES. Class 1 hour, laboratory 2 hours, credit 2 hours. A business course to acquaint the student with a variety of commonly used office machines, with specific training in the use of ten-key and full-keyboard adding machines, calculating machines, and duplicating equipment.

BUSINESS COMMUNICATIONS 213—First semester. Class 3 hours, credit 3 hours. A general introduction to letter writing. External and internal structure of the business letter supplemented with adequate attention to the details of effective business English.

BUSINESS COMMUNICATIONS 223—Second semester. Class 3 hours, credit 3 hours. A continuation of Business Communications 213 with a study of the communications of ideas through the medium of business writing; sales letters; publicity reports. Included is a unit on advertising.

BUSINESS LAW 213—PRINCIPLES. Class 3 hours, credit 3 hours. This is an introductory law course. It includes general principles of law that every individual should know. The course is designed primarily for terminal students.

ECONOMICS 213—PRINCIPLES OF ECONOMICS. Class 3 hours, credit 3 hours. Prerequisite: Sophomore standing. The nature of our present economic system; fundamental elements and concepts in economic life; organization of production; value, price, and the monetary system.

ECONOMICS 223—PRINCIPLES OF ECONOMICS. Second semester. Class 3 hours, credit 3 hours. (A continuation of Econ. 213). Principles involved in problems of taxation, transportation, monopoly, labor, tariffs and foreign exchange.

GEOGRAPHY 213—PRINCIPLES OF GEOGRAPHY. First semester. Class 3 hours, credit 3 hours. The effect of climate, soil, vegetation and relief upon the social activities of man. The principles of geography in its human aspects.

GEOGRAPHY 223—ECONOMIC GEOGRAPHY. Second semester. Class 3 hours, credit 3 hours. A survey of the economic importance of the earth's resources and either environmental factors in the production, distribution, and consumption of commodities.

MATHEMATICS 113—BUSINESS MATHEMATICS. Either semester. Class 3 hours, credit 3 hours. This is a review of the fundamental operations of arithmetic, with an introduction of new, time saving methods in addition, subtraction, multiplication, and division. This course also deals

with practical business problems of all kinds with emphasis on business methods.

SALESMANSHIP 203—Class 3 hours, credit 3 hours. A general course designed to meet the need of students preparing for office or general business work, with emphasis on the art of selling.

SECRETARIAL TRAINING 113—BEGINNING SHORTHAND. Either semester. Class 5 hours, credit 3 hours. This is a study of the fundamental principles of Gregg Shorthand rules and methods followed by simple dictation of vocabulary drills and letters. Credit will not be allowed to students presenting one year of high school shorthand as entrance credit.

SECRETARIAL TRAINING 123—INTERMEDIATE SHORTHAND. Either semester. Class 5 hours, credit 3 hours. Prerequisite: Shorthand 113 or one year in high school. This is a continuation of shorthand 113 with study of the advanced principles of Gregg Shorthand and advanced letter writing. Dictation, transcription, and speed drills. Credit will not be allowed to students presenting credit in two years of high school shorthand. Speed requirement 80 words.

SECRETARIAL TRAINING 202—TRANSCRIPTION. Class 4 hours, credit 2 hours. Prerequisite: Secretarial Training 123 (Shorthand). Greater emphasis on transcription and diction. Speed 90 to 100 words per minute. Should be taken concurrently with Dictation 214.

SECRETARIAL TRAINING 213—OFFICE PRACTICE. Prerequisite: Shorthand 123. Meets 4 hours a week, credit 3 hours. A study of general office practice and duties; includes a study of filing and stenographic duties essential for business employment.

SECRETARIAL TRAINING 214—DICTATION. Beginners' Dictation. Class 4 hours, credit 4 hours. Prerequisite: Typewriting 133, and Secretarial Training 123 (Shorthand). Greater emphasis on transcription and dictation. Speed 90 to 100 words per minute.

SECRETARIAL TRAINING 224—ADVANCED DICTATION. Class 4 hours, credit 4 hours. Prerequisite: Secretarial Training 214 (Dictation). A continuation of the above course. More difficult and technical dictation. Report of addresses. Speed 110 to 130 words per minute.

TYPEWRITING 103—BEGINNING. Class 5 hours, credit 3 hours. This course is planned for beginners and covers the fundamental skill of typewriting, including the mastery of the keyboard, practice in copying, and typing letters and reports.

TYPEWRITING 133—INTERMEDIATE. Class 3 hours, credit 3 hours. Prerequisite: Typing 103 or 1 year of high school typewriting. The development of skill in the practical application of typewriting. Attention is given to arrangement and styles of letters, tabulated material, manuscripts, rough drafts, business forms, stenciling, and duplication.

TYPEWRITING 253—ADVANCED. Class 3 hours, credit 3 hours. Prerequisite: Typewriting 133 or two years of high school typewriting. Further practice in the application of typewriting, with emphasis on developing speed and production typewriting. Statistical reports, legal documents, letter writing comprise the routine situations.

ENGINEERING COURSES

C. E. 123—SURVEYING. First semester. Class 2 hours, laboratory 3 hours, credit 3 hours. Prerequisite: Trigonometry. A course designed to acquaint the student with elementary methods and practices in surveying.

C. E. 214—ENGINEERING MECHANICS. Class 4 hours, credit 4 hours. Prerequisites: Calculus 214 and Physics 215. Required of all Engineers either at Cameron or later. The principles of applied mechanics as developed in statics and kinetics.

M. E. 112—ENGINEERING DRAWING. First semester. Laboratory 4 hours, credit 2 hours. Study and practice in methods of engineering drawing. Students must furnish instruments, paper, and drawing board.

M. E. 122—ENGINEERING DRAWING. Second semester. Laboratory 4 hours, credit 2 hours. Practical problems in machine drawing.

M. E. 123—DESCRIPTIVE GEOMETRY. Second semester. Class 1 hour, laboratory 6 hours, credit 3 hours. Prerequisite: Plane Geometry. Problems relating to the point, line and plane. The generation and classification of lines and surfaces; tangent planes to surface; plane sections, intersection and development.

SHOP 112—GENERAL SHOP. Either semester. Class 1 hour, laboratory 3 hours, credit 2 hours. A combination of woodwork, carpentry, forging, rafter cutting, and figuring bills of lumber. Also plans for farm constructions.

SHOP 113—BENCH WOODWORK. First semester. Class 3 hours, laboratory 6 hours, credit 3 hours. Elementary hand woodworking. Required of Industrial Arts students.

SHOP 131—FURNITURE REFINISHING. Laboratory 3 hours, credit 1 hour. May be repeated once for credit. Prerequisite: Shop 122 or permission. Methods of furniture refinishing, repairing and upholstering. An elective course in any division.

SHOP 141—METAL BENCH WORK. Laboratory 3 hours, credit 1 hour.

SHOP 151—ARTS AND CRAFTS. Laboratory 3 hours, credit 1 hour. Shaping, tooling and lacing leather; etching and shaping of metals such as copper, aluminum, etc. Soldering of different kinds of metal.

SHOP 213—MACHINE WOODWORKING. Second semester. Class 3 hours, laboratory 6 hours, credit 3 hours. Prerequisite: Shop 122 or equivalent. A beginning course in machine woodwork. Required of Industrial Arts Students.

SHOP 221—CARE OF SHOP EQUIPMENT. First semester. Laboratory 3 hours, credit 1 hour. A course in the repair and sharpening of the tools and machines found in the usual shop.

SHOP 231—PATTERN MAKING. Laboratory 3 hours, credit 1 hour. Required of all freshmen engineering students. Elementary bench work, wood turning, and pattern making.

SHOP 241—MACHINE SHOP PRACTICE. Either semester. Laboratory 3 hours, credit 1 hour. Theory and practice in machining metals.

SHOP 261—MACHINE SHOP. Laboratory 3 hours, credit 1 hour. Prerequisite: Shop 241. A continuation of Shop 241.

SHOP 262—CARPENTRY PROBLEMS. Class 1 hour, laboratory 3 hours, credit 2 hours. Beginning course in rafter cutting, house framing and building with lumber.

SHOP 271—ACETYLENE WELDING. Laboratory 3 hours, credit 1 hour. A beginning course in welding, brazing, and cutting of metals.

SHOP 281—ELECTRIC WELDING. Laboratory 3 hours, credit 1 hour. Types of welding practice.

SHOP 291—WOOD TURNING. Laboratory 3 hours, credit 1 hour. A beginning course in wood turning.

SHOP 271N—ACETYLENE WELDING. 54 clock hours of lecture and laboratory for night class students only. Credit 2 hours. A beginning course in welding, brazing, and cutting of metals.

SHOP 281N—ELECTRIC WELDING. 54 clock hours of lecture and laboratory for night class students only. Credit 2 hours. Types of electric welding.

HOME ECONOMICS COURSES

ART 112—ART PRINCIPLES. Laboratory 4 hours, credit 2 hours. An elementary study of problems and practices in freehand drawing and lettering. Recommended for Elementary Education major.

ART 122—ART PRINCIPLES. Laboratory 4 hours, credit 2 hours. Continuation of art principles already learned in Art 112 as applied to work in Color and Design.

H. A. 103—ELEMENTARY CLOTHING CONSTRUCTION. Class 1 hour, laboratory 4 hours, credit 3 hours. Fundamental problems in construction, care of clothing, "short-cuts" in basic sewing, personal grooming and designs suited to the individual personality. For women in other divisions, and terminal students.

H.A. 113—CLOTHING SELECTION AND CONSTRUCTION. Class 1 hour, laboratory 4 hours, credit 3 hours. Construction of garments suited to individual needs and personality with special stress on fundamental sewing techniques, flat-pattern alterations, fittings, care, grooming, and modeling practice. For majors, and open to other divisions.

H. A. 132—TEXTILE PURCHASING AND CARE. Class 2 hours, credit 2 hours. A study of the textile fibers and fabrics, their properties, identification, and care with stress on BUYMANSHIP as applied to practical uses in household items and clothing suited to the family-budget and the individual girl. Open to majors, and non-majors.

H. A. 223—ADVANCED CLOTHING CONSTRUCTION. Class 1 hour, laboratory 4 hours, credit 3 hours. Prerequisite: Clothing 113 or permission. Construction of more advanced garments with further opportunity to utilize improved clothing construction principles and fitting techniques. Also, included are (1) More advanced clothing selection and sewing skills suited to the individual personality, needs, and abilities; and/or (2) Fundamental problems leading into professional dress designing and tailoring, for those who want this training.

H.A. 233—COSTUME DESIGN. Class 1 hour, laboratory 4 hours, credit 3 hours. Costume Design principles as applied to an original dress design to be constructed and fashioned by the individual student. Construction of dress forms, optional with class. Offered on request by ten or more interested students.

H. A. 234—HOUSE PLANNING AND DECORATION. Class 2 hours, laboratory 4 hours, credit 4 hours. Prerequisite: Art 112-122 or permission. A study of the house from the stand point of utility, beauty, and economy, including principles of interior decoration as applied to the arrangement and furnishing to scale of certain housing problems suited to income levels and personalities therein. A brief study is made of outstanding periods with an emphasis on the contemporary, the architecture, furnishings, and accessories of that period. Enjoyable field trips, film projects, and demonstrations are a part of the course.

H. E. E. 213—CONSUMER PROBLEMS. Class 3 hours, credit 3 hours. Consumer problems typical of the modern-day home and family life. The purposes are: To assist in problems of buying those items from which we cannot escape; to assist in the management of money, time and energy as related to homemaking, family and community life; and to understand the place of the consumer in society. Discussions, readings, projects, field trips, and films are included. Both for majors and non-majors.

H. S. 152—PERSONAL AND FAMILY HEALTH. Class 2 hours, credit 2 hours. Developing proper appreciation for positive health and ways to gain, regain, and retain it. Emphasis is placed on the personal health of the college student in relation to home, family life, and community hygiene along with a study and some practice in simple home

nursing procedures, home treatments, improvised equipment, first aid, and nutrition-habits for health and happiness. Open to majors and non-majors, both men and women. Recommended for Elementary Education majors.

H. L. 113—PERSONAL, HOME AND FAMILY RELATIONS. Class 3 hours, credit 3 hours. Required of all Home Economics students. Open to all other students. Both men and women. The purpose is to develop an understanding of human relationships, desired personality traits, behavior and relationships as applied to judgement problems relating to personal, home and family life. Problem examples: boy and girl relationships, dating, courtship, choice of life mate, marriage, etc. Discussions, readings, films, speakers, panels.

H. L. 212—CHILD CARE (LIVING WITH CHILDREN). Class 2 hours, credit 2 hours. The intellectual, physical, social, and emotional development traced from infancy through adolescence. Emphasis is placed upon observing pre-school children objectively while living with them in families, organized groups, and with individual children. We study their behavior, personality, and habits as affected by the community on the child's activities and relationships within his own family and wherever we find him. Typical problems with possible solutions, ways to avoid, and overcome are included. A variety of learning situations: library, observations, class and panel discussions, reports, films, speakers, and demonstrations with children are included. Recommended for Elementary Education majors and others. Both men and women.

H. S. 112—MODERN QUICK MEALS. Class 1 hour, laboratory 2 hours, credit 2 hours. Planning, and preparing quick complete luncheons, breakfasts, and dinners with quick cookery procedures, table decorations, special occasions, and demonstrations. For Terminal Students and those in other divisions.

H. S. 113—FOOD PREPARATION AND ELEMENTARY NUTRITION. Class 1 hour, laboratory 4 hours, credit 3 hours. Practical experience is given in the selection, preparation, and preservation of balanced food-dishes for the college girl and her family with laboratory routine, cookery principles, and correct eating habits for nutrition stressed. Besides this, informal table service and table etiquette are put to practice regularly in the convenient home-like Unit-Kitchen-Dinettes. For majors and non-majors.

H. S. 213—FAMILY NUTRITION AND MEAL SERVICE. Class 1 hour, laboratory 4 hours, credit 3 hours. Prerequisites: Foods 113 and Chemistry or permission. This course provides for experience in the planning, preparing, and serving of parties, coffees, teas, breakfasts, luncheons, and dinners with emphasis applied to the nutrition of the individual college girl and her family. In addition, students receive considerable in laboratory routine, cookery techniques, table service, table etiquette, all types of formal and informal serving with appropriate table settings, and flower arrangements in the attractive living room of the Home Economics Department.

MILITARY COURSES

MILITARY SCIENCE 112-122—FIRST YEAR BASIC. GENERAL MILITARY SCIENCE. Class and laboratory 5 hours, credit 2 hours. Organization of the Army R. O. T. C.; American military history; individual weapons and marksmanship; school of the soldier and exercise of command.

MILITARY SCIENCE. Class and Laboratory 5 hours, Credit 2 hours. Crew served weapons and gunnery; current developments of crew-served weapons; role of the Army in National Defense; map and aerial photograph reading; school of the soldier and exercise of command.

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