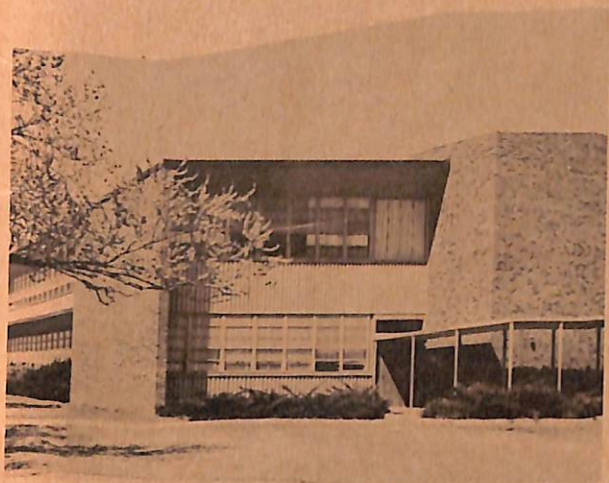


CATALOG

1961-62



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STATE AGRICULTURAL COLLEGE

BULLETIN OF
CAMERON STATE AGRICULTURAL
COLLEGE

CATALOGUE ISSUE

1960-1961



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 1961-62

Lawton, Oklahoma

Vol. 52

COLLEGE CALENDAR

First Semester

1961-62

Aug. 28-29-30	Enrollment
Sept. 4	Dormitories open 1:00 P.M.
Sept. 5	Freshmen Orientation (required of all Freshmen)
Sept. 6	Late enrollment and Change of Schedules
Sept. 7	Classwork begins 7:00 A.M.
Sept. 7	Late enrollment fee effective 8.00 A.M.
Sept. 13-14	Night Class Enrollment, 7:00 P.M.
	Last Day for schedule changes
Sept. 15	End of 80% Refund Period - 12:00 Noon
Nov. 2-3	Mid-term Exams
Nov. 22	Thanksgiving Recess begins 5:00 P.M.
Nov. 27	Classwork Resumed 7:00 A.M.
Dec. 19	Christmas Recess begins 12:00 Noon

1962

Jan. 3	Classwork resumed 7:00 A.M.
Jan. 10-11	Night Class Enrollment 7:00 P.M.
Jan. 15-17	Semester Examinations

Second Semester

1961-62

Jan. 22-24	Enrollment Second Semester
Jan. 25	Classwork begins
Jan. 25	Late Enrollment fee effective 8:00 A.M.
Feb. 2	Last Day for Schedule changes
Feb. 2	End of 80% Refund Period - 12:00 Noon
Mar. 14-15	Night Class Enrollment 7:00 P.M.
Mar. 22-23	Mid-term Examinations
April 20	Easter Recess begins 5:00 P.M.
April 24	Classwork resumed 7:00 A.M.
May 16	Honors Day
May 20	Baccalaureate
May 22-24	Final Examinations
May 25	Commencement
June 1	Summer Night Class enrollment

1962-63

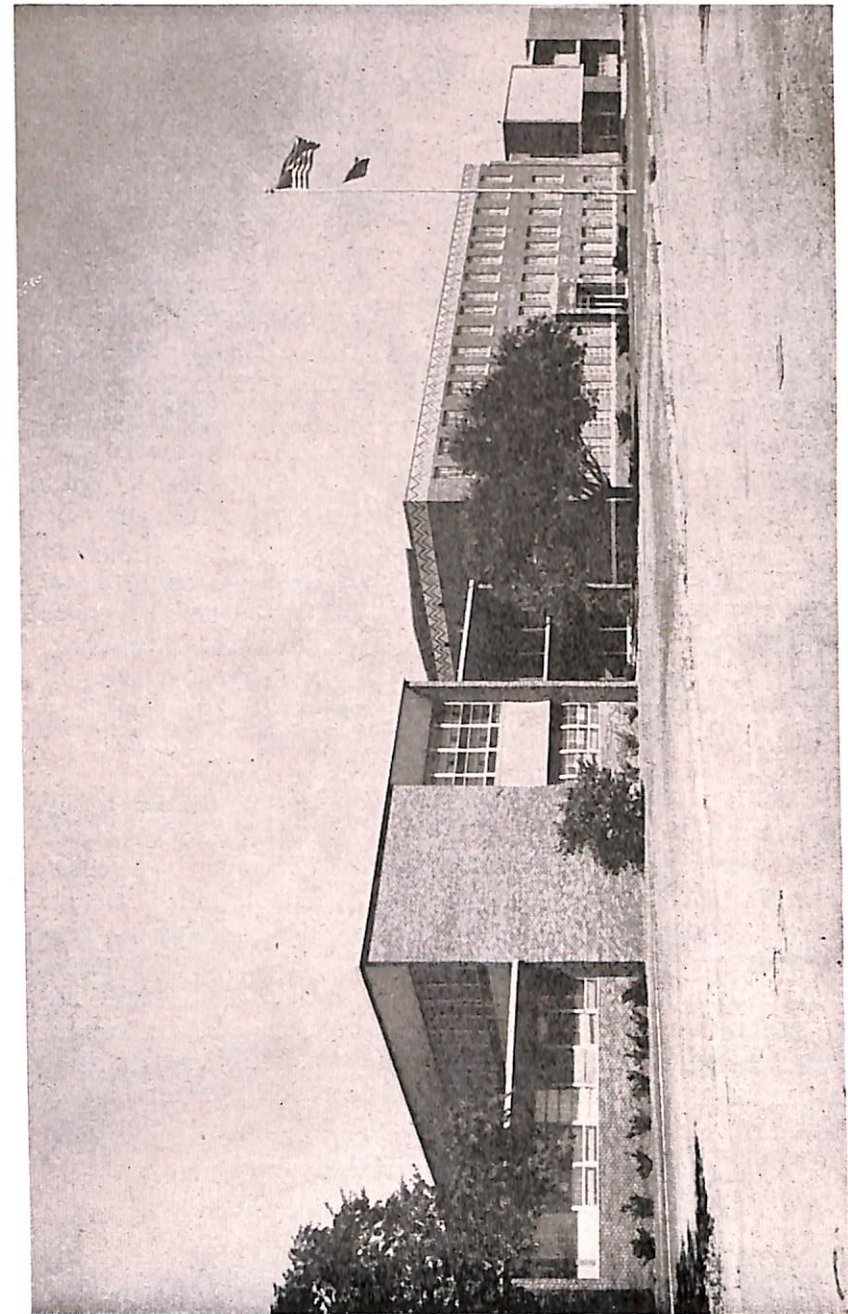
Aug. 27-29	
Sept. 3	
Sept. 4	
Sept. 5	
Sept. 6	
Sept. 6	
Sept. 12-13	
Sept. 14	
Sept. 15	
Nov. 1-2	
Nov. 21	
Nov. 26	
Dec. 18	

1963

Jan. 3	
Jan. 9-10	
Jan. 14-16	

1962-63

Jan. 21-23	
Jan. 24	
Jan. 24	
Feb. 1	
Feb. 1	
Mar. 13-14	
Mar. 21-22	
April 12	
April 16	
May 15	
May 19	
May 21-23	
May 24	
May 30-31	



Administration Building

CAMERON STATE AGRICULTURAL COLLEGE

State of Oklahoma

J. HOWARD EDMONDSON ----- Governor

Officers of Administration

DR. RICHARD B. BURCH ----- President
 JAMES L. TAYLOR ----- Dean of the College
 BURNEY H. BREWER ----- Dean of Instruction
 DON KEITH ----- Dean of Students
 GORDON L. PAINE ----- Registrar
 CHARLIE DEAN ----- Dean of Men
 VAL DELORIS MAPLES ----- Dean of Women
 LLOYD R. VAN DEVENTER ----- Chief Clerk
 ALTA MONROE ----- Recorder
 BETTY DURHAM ----- Cashier
 EDNA JO CAMPBELL ----- Secretary to the President
 MRS. C. C. HIGHTOWER R. N. ----- School Nurse
 MILDRED EBISCH ----- Secretary to the Dean

Board of Regents For The Oklahoma
A. & M. Colleges

P. E. HARRILL, Chairman ----- Oklahoma City
 ELMER HARBER, Vice-Chairman ----- Shawnee
 O. L. LACKEY, Secretary ----- Okmulgee
 AMOS K. BASS, Jr. ----- Durant
 JACK M. CORNELIUS, Jr. ----- Oklahoma City
 ROBERT I. HARTLEY ----- Vinita
 ROY T. NALL ----- Boise City
 EARL RUSSELL ----- Duncan
 WILLIAM R. WILLIAMS ----- Altus
 FORREST McINTYRE, Administrative Assistant ----- Oklahoma City
 THELMA WOODSON, Executive Secretary ----- Stillwater

Oklahoma State Regents for Higher Education

DR. E. T. DUNLAP, Chancellor	JOHN J. VATER, Enid
T. G. SEXTON, Administrative Assistant	GUY M. HARRIS, Ardmore
KENNETH T. GALLAGHER, Stillwater	WHARTON MATHIES, Clayton
WILLIAM DEE LITTLE, Ada	BOB ALLEE, Hammon
	G. ELLIES GABLE, Tulsa
	R. L. CROWDER, JR., Tonkawa

INSTRUCTIONAL STAFF

RICHARD B. BURCH

B. S. (East Central State College) M. Ed. Ed. D. (University of Oklahoma); President, 1960

JAMES L. TAYLOR

B. A. (Southeastern State College), M. Ed. (University of Oklahoma); Graduate Study (University of Oklahoma); Dean of the College; 1957; 1959.

BURNEY H. BREWER

B. S. (Central State College), M. Ed. (University of Oklahoma); Dean of Instruction, 1959; 1960.

DON KEITH

B. S. Ed. (Central State College), Ed. M. (University of Oklahoma), Graduate Study (University of Oklahoma); Dean of Students; 1960.

GORDON L. PAINE

B. A., M. S. (University of Oklahoma), Graduate Study (University of Oklahoma and University of Texas), Registrar; 1948; 1960.

LLOYD R. VAN DEVENTER

B. S. (Southwestern State College), M. S. (Western State College, Gunnison, Colorado), Chief Clerk; 1959.

BLANCHE BEAVERS

B. S. (Oklahoma College for Women), M. Com. Ed. (University of Oklahoma), Graduate Study (University of Texas and University of Oklahoma); Business; 1942.

WILLIAM J. BECKER

B. A. (Bethel College), M. A. (University of Oklahoma), Graduate Study (University of Oklahoma); English, 1933.

FRANCES LOUISE BURK

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

HELEN V. CARNEY

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

MILLARD M. CARTER

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

ALBERT J. COPLEY

B. S. (Oklahoma State University), M. S. (University of Oklahoma); Graduate Study (University of Oklahoma); Chemistry, Geology; 1959.

CHARLIE A. DEAN

B. S. (Midwestern University), Graduate Study (Eastern Washington College of Education, Midwestern University); Dean of Men. Assistant Football Coach, 1955; 1960.

LIEUTENANT COLONEL ELTON W. DUREN

B. S. (University of Maryland); Assistant P.M.S. 1959.

CAMERON COLLEGE

PAUL EDWARD ELDER

B. S., M. S. (Oklahoma State University), Graduate Study (Oklahoma State University) Agronomy; 1958.

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.

RUDIA HALLIBURTON, Jr.

B. S. (Phillips University), M. A. (Oklahoma State University), Graduate Study (University of Oklahoma); History and Government; 1959.

ARTHUR LEE HARDWICK

B. S. Ed. (Kansas State College of Pittsburg); M. S. (Kansas State College of Pittsburg); Engineering; 1960.

JESSIE MAY HINES

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

S/SGT. LARRY HOWELL

Instructor in Military Science; 1960.

RUTH B. HOWELL

B. A. (Bryn Mawr College); M. S. (University of Florida); Biology; 1960.

JOHN PORTER HUCKABAY

B. S. (Southeastern State College), M. S. (Oklahoma State University); Biological Sciences; 1958.

RALPH MILES HUNTER, JR.

B. S. Ed. (Central State College); M. Ind. Ed. (Oklahoma State University); Mechanical Arts; 1961.

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.

ODEAL LOCKE

B. A., M. A., B. A. in Lib. SC. (University of Oklahoma), Graduate Study (University of Oklahoma, University of Southern California); Librarian; 1957.

VAL DELORIS MAPLES

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

CAPTAIN MICHAEL D. MACOMBER

B. A. (University of Indiana); Assistant P. M. S.; 1959.

CAMERON COLLEGE

KINLEY A. McCLURE

B. A. (Southwestern State), M. Ed. (University of Oklahoma), Graduate Study (University of Oklahoma); Journalism, Speech; 1960.

THOMAS O. McCOLLOM

B. Mus. (Oklahoma State University), B. Mus., M. Mus. (Yale University), Music Theory, Piano; 1959.

WILLIAM M. McMURTRY

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

CAPTAIN DONALD L. MEANS

BME, MME (University of Oklahoma); Assistant P. M. S.; 1959.

EMMETT MERAZ

B. A. in Ed. (Southeastern State College), Ed. M. (University of Oklahoma), Graduate Study (University of Oklahoma); Mathematics; 1959; 1960.

RODNEY MITCHELL

B. A. (Central State College); M. Ed. (Central State College), Graduate Study (Arizona State University, University of Oklahoma); Economics and Geography; 1960.

LEROY MONTGOMERY

B. S. (Midwestern University); M. Ed. (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.

LAMEDA ROBERTSON

B. A. (Oklahoma College for Women), M. A. (University of Oklahoma); Modern Languages, English; 1957.

M/SGT. DAVID J. SCHULER

Instructor in Military Science; 1957.

THELMA J. SEALS

B. S. Ed., M. S. in N. S., (Oklahoma State University), M. Ed. (University of Oklahoma); Chemistry; 1959.

GERALD STOCKTON

B. S., M. S. (Oklahoma State University); Basketball Coach, History; 1960.

EVELYN H. THUR

B. S. (Oklahoma College for Women); M. S. (Oklahoma State University); Mathematics; 1958.

N. L. TINSLEY

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

CAMERON COLLEGE

DOROTHY TOBIAS

B. S., M. S. (Oklahoma State University), Graduate Study (Kansas University, University of North Carolina, University of Oklahoma): Chemistry; 1943.

GRADY WALKER

B. A. (Oklahoma City University), M. A. (Oklahoma State University); English; 1959.

MARY LOUISE WOLVERTON

B. S. (Oklahoma College for Women), Graduate Study (University of Oklahoma); Home Economics; 1960.

FRANCES WRIGHT

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

*Instructors yet to be selected in Agriculture, Biology, Business, English, Electronics, Social Science and Speech.

STANDING COMMITTEES OF FACULTY

ADMINISTRATIVE COUNCIL: Richard Burch, Chairman; B. H. Brewer, Don Keith, Gordon Paine, James Taylor, Lloyd Van Deventer.

ADMISSIONS: Gordon Paine, Chairman; B. H. Brewer, Don Keith, James Taylor.

CURRICULUM: B. H. Brewer, James Taylor, Gordon Paine, departmental chairmen.

DISCIPLINE: Charley Dean, Chairmen; Val Maples, Jane Lowe, two representatives from the student body.

INSTRUCTION: B. H. Brewer, Chairman; departmental chairmen.

TEXTBOOK: A. J. Jackson, Chairman; Ruth Howell, Frances Wright, N. L. Tinsley, B. H. Brewer, Lameda Robertson, Paul Elder.

LIBRARY: Odeal Locke, Chairman; Paul Elder, Jessie May Hines, Rodney Mitchell, Rudia Halliburton, Arthur Hardwick, Ruth Howell.

SOCIAL COMMITTEE: Mary Louise Wolverton, Chairman; Frances Burk, Evelyn Thur, Emmett Meraz, Grady Walker, Kinley McClure.

ATHLETICS: Richard Burch, Chairman; Leroy Montgomery, Don Keith, Lloyd Van Deventer, James Taylor, B. H. Brewer, Gordon Paine.

INTRA-MURAL ACTIVITIES: Don Keith, Chairman; Charley Dean, Val Maples; Leroy Montgomery, two representatives from the student body.

Getting Acquainted With The College

PHILOSOPHY OF CAMERON COLLEGE

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

PURPOSES OF THE COLLEGE

TO PREPARE STUDENTS FOR ADVANCED STANDING IN OTHER COLLEGES OR UNIVERSITIES—To provide the first two years of senior college courses in preparation for entrance into the junior year for those students who plan to continue their formal education in a senior college or university.

TO PROVIDE A PROGRAM OF GENERAL EDUCATION—To provide instruction which embodies knowledge, skills, and values needed by each individual to be effective as a person, a worker, and a citizen.

TO PROVIDE A PROGRAM OF TERMINAL EDUCATION—To provide, for students who desire two years or less of college work, vocational education, and/or occupational training to permit them to hold a job.

TO PROVIDE A CONTINUING PROGRAM OF ADULT EDUCATION—The college recognizes that learning is a life-long process and accepts the responsibility for providing educational opportunities for those living in the community who are unable to or do not desire to pursue studies on a full-time basis.

HISTORY OF CAMERON COLLEGE

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.

CAMERON COLLEGE

6. Lawton is one of the largest and fastest-growing cities in the state of Oklahoma in which any state-supported institution is located; for these students who find it necessary to work in order to attend college, Lawton and nearby Fort Sill offer greater variety of employment 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.

BUILDINGS 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 Department of Agriculture, and the Department of Business.

THE COLLEGE LIBRARY, with a capacity of 15,000 volumes, now houses a general collection of over 10,000 books, numerous pamphlets, government documents, and bound periodicals. The library subscribes to 145 current magazines, New York Times, 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 processing 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 1952 and housing the Department 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, a weight room, boys' and girls' dressing rooms, and offices for the Physical Education staff.

Realizing the need of and desiring a school of this type in Lawton, a group of businessmen, 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 November, 1909, the school opened with a faculty of six members and a student body of one hundred and eight students. In March, 1911, 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. 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 College is located in the city of Lawton. This city of 61,000 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 ten 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.
5. Cameron State Agricultural College provides through the Reserve Officers Training Corps, a two-year basic program in Military Science.

REINWAND HALL, a two-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 is located in the Student Union Building.

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

SIMPSON COTTAGE, the President's Home, of one-story brick construction, is located south of the Library Building.

POWELL COTTAGE, the Dean's Home, of one-story brick construction, is located east of the President's Home.

THE CLARENCE L. DAVIS MEMORIAL, student union building is presently under construction.

Services and Expenses to Students

GUIDANCE SERVICES

The common and personal problems of Cameron College students are the primary concern of the Dean of Students, Dean of Men and the Dean of Women. Their offices provide a program of helpful guidance to all students. The guidance program provides the following services to students:

- (a) Analysis—Helping the student get all the facts about himself from test results, cumulative records, and other means of identifying potentialities and interests.
- (b) Information—Making available to each student the facts about his environment, about vocations, educational opportunities, scholarships, and loan funds.
- (c) Orientation—Helping each student become acquainted with the school program, the physical plant, campus organizations, rules and regulations.
- (d) Counseling—Through an advisor-advisee program using all instructors as counselors, the college helps each student to understand himself better and to develop his educational and vocational plans.
- (e) Placement—Helping each student in carrying out his educational plans.
- (f) Follow-up—Determining how each student's plans worked out, and how effectively the educational program served him.

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 free 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 Dean of Students, 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 Agriculture 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 performs his assigned task. Students must maintain a grade point average of at least 2.0 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 Dean of Students, 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.

NATIONAL DEFENSE STUDENT LOAN PROGRAM

The National Defense Student Loan Program was established by the 85th Congress under Title II of Public Law 85-864 designated as "The National Defense Education Act of 1958" approved September 2, 1958. This program, nationwide in scope, provides loans to students under easy terms with special scholarship provisions for student borrowers who later enter public secondary and elementary teaching and public school administrative careers.

The following criteria is used by Cameron College to determine who shall receive loans under this Act.

1. A student must carry a minimum of 15 semester hours and "NEED" must be established before anything else can be considered.
2. First preference will be given to students with good grades (3.00 point minimum in high school or 2.75 point minimum in college.)
3. Second preference will be given to students with apparent superior promise in Science, Mathematics, Engineering, or Modern Language (with above minimum point average being used.)
4. Third and last preference will be given to needy students with apparent good promise without respect to major field.
5. No student will be eligible who (a) has previously attended college and has an overall grade point average below 2.00 - (b) is a first semester freshman and who has an overall grade point average in high school of less than 2.5
6. No student will be eligible who is making car or other time payments, except in rare instances.
7. No student will be eligible who works more than 25 hours per week, and in most cases this maximum work time should be 20 hours per week.

8. No student would be eligible whose general conduct and character tend to indicate that he is a poor financial risk.

Application blanks may be secured by writing the Dean of Students. The blanks must be properly filled out and filed with the president of the college at least sixty days prior to the beginning of the semester in which the student wished to participate in the program.

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.

Dormitory rooms are limited and will be reserved on a first come, first served basis. A room reservation will not be valid until the room deposit is received by the business office."

FEES — By authority of the Board of Regents for Oklahoma State University and for Oklahoma A & M Colleges the following rates on room, board and fees have been established at Cameron State Agricultural College, effective January 1961.

GENERAL FEES:

Regular Semesters ----- per semester hour \$3.25
(plus 50c per hour for student union fee, library and activity fee)

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

NON-RESIDENT FEES:

Regular Semester ----- per semester hour \$6.00

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.

EVENING CLASSES

Courses that are primarily lecture ----- per semester \$8.00
Shop and courses primarily laboratory ----- per course \$37.50
Courses regularly offered will be offered as evening classes provided sufficient enrollment is obtained.

SPECIAL SERVICE FEES:

Late enrollment fee	\$1.00 per day, Maximum of \$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
American College Tests Fee	5.00

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
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 follows:

Room rent (per semester) approximately	\$80.00
Board (per semester), meals five days per week	\$160.00
Board (per semester), meals seven days per week	\$180.00

Room and board are payable in advance.

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 ten dollar (\$10.00) 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 before school starts. The ten dollars (\$10.00) 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 a list in consultation with the Dean.

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

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 Men or Dean of Women.

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

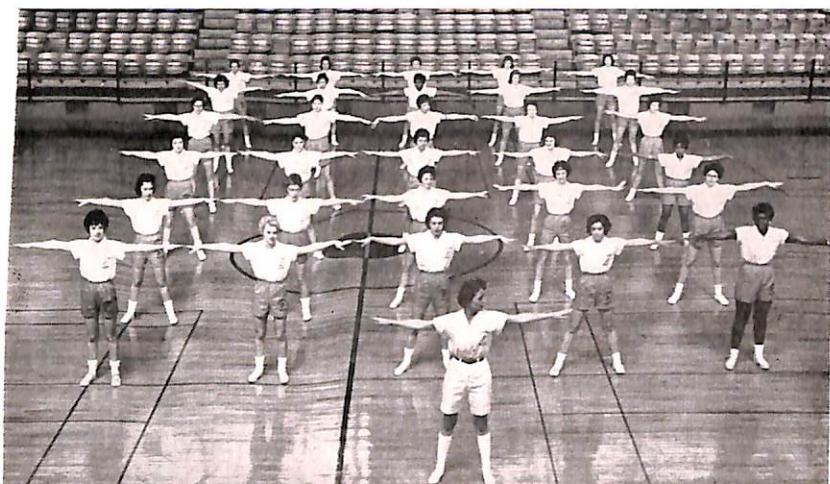
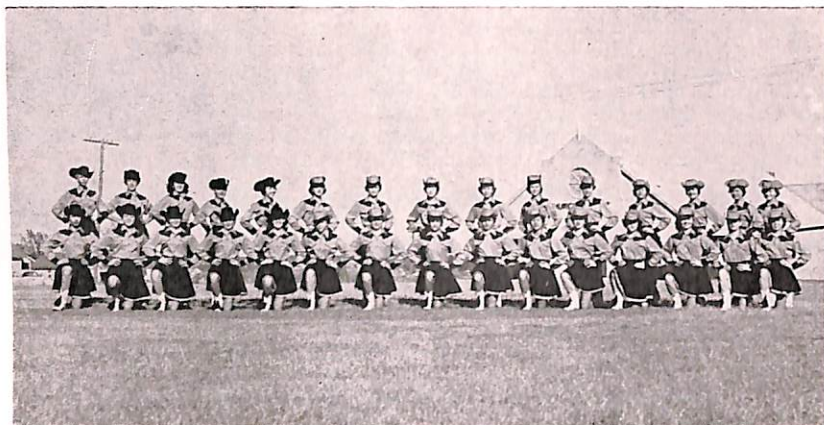
Housewives who take students in their homes are required to report immediately to the Dean any violations of the rules or regulations.

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.

BLUE CROSS—BLUE SHIELD—Cameron College participates in a program of Student Health protection provided by Oklahoma Blue Cross and Blue Shield. This protection is designed to meet the needs of both single and married students in case of serious illness or accident. The program provides "year-round" protection to students both during school terms and summer vacations. Oklahoma Blue Cross and Blue Shield make this program available to students at a special, very low cost. A representative of this organization will be glad to assist you and answer further questions in reference to the program at enrollment time. For further information contact your respective Blue Cross and Blue Shield representative.

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.

ATHLETICS—Cameron is a member of the Oklahoma Junior College Athletic Conference participating in football, basketball, and track. In addition to intercollegiate competition there is a well-rounded intramural sports program.

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 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. Since then three other courses have been added—*The Life of Christ*, *The Life and Letters of Paul*, and *History of the Bible*. 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 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.

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, six members-at-large from the student body, one cheer leader, the Collegian editor, as ex-officio member, and representatives from the various clubs.

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. This year a Cameron student, Gary Wilson, was elected National president of the organization.

ITTANAHA INDIAN CLUB (State)—The America 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	Journalism Club
Cameron Players (Dramatics)	Hell Hounds
Circle K	Home Economics Club
Phi Beta Lambda (Business)	"O" Club
Cosmopolitan Club	Pre-Medic and Science Club
Delta Psi Omega (Honorary Dramatics)	Press Club
Student National Education Association	Sigma Epsilon Sigma (Engineering)
Enterprisers Club	Pep Pirates
	R. O. T. C. Club

Religious Organizations:

Baptist Student Union	Church of Christ Bible Chair
Chi Alpha (Assembly of God)	Methodist Wesley Foundation

CLUB SPONSORS—Each club and student organization is assigned 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 disbursed 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 AGRICULTURE STUDENT WHO IS GRADUATING**, Mehew Hardware annually presents an achievement plaque.

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

To the **MOST VALUABLE GRADUATING SOPHOMORE ATHLETE**, the Rotary Club each year presents a loving cup in recognition of his achievements.

ATHLETE SHOWING MOST IMPROVEMENT, Coachs' award.

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.

To the **BEST ALL-ROUND GRADUATING BUSINESS STUDENT**, Mr. A. B. Gosselin, public accountant, annually presents an award.

To the **OUTSTANDING FRESHMAN CHEMISTRY STUDENT**, Col. Clarence H. Breedlove, Ret. annually presents an award.

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 Engineers 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 Fabric 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.

An anonymous award is made each year to the **OUTSTANDING FRESHMAN HOME ECONOMICS STUDENT**.

To the **OUTSTANDING GRADUATE OF THE DIVISION OF HOME ECONOMICS** each year, Zales Jewellery 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 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 **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 MUSIC STUDENT** for the school year Schubert Music Club 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 **BEST DRILLED SQUAD** in the Cameron R.O.T.C. the National Sojourners annually present a plaque. This will remain on display in the Military Building.

To the two **OUTSTANDING SOPHOMORE R.O.T.C. CADETS** the Texas A & M College Club of Ft. Sill and Lawton and the Reserve Officers Association each year give a suitable award.

To the **BEST DRILLED PLATOON**, the Assistant P.M.S. each year gives an award of merit. This plaque will remain on display in the Military Building.

To the **COLLEGE FRESHMAN BOY** and to the **COLLEGE FRESHMAN GIRL** having the **HIGHEST AVERAGES** respectively for the school year, Phi Theta Kappa annually presents an award in recognition of this high accomplishment.

To the **GRADUATING SOPHOMORE STUDENT** 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.

RIFLE TEAM AWARDS: (a) School letter for outstanding marksmanship; (b) National Rifle Association Team Champion Award, given by National Rifle Association.

Attending the College

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 with out 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 spirit.

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.

ADMISSION

Students admitted to Cameron College must meet the following requirements:

1. Must be at least 15 years of age and free from contagious and infectuous disease.
2. Must be a graduate of an accredited high school, except in the special cases listed below.
3. Must have his high school transcript sent to the office of the Registrar, Cameron College. Also if he has attended other colleges, those transcripts must be on file with the Registrar.
4. Must have taken the American College Tests as explained below.
5. Must send the "Application for Admission" form to the Registrar.
6. Must have the "Physical Examination" form filled in by his own doctor and on file with the Registrar.
7. Must complete the "Room Application" form and make a room deposit of \$10.00 if he or she plans to live in a college dormitory.

AMERICAN COLLEGE TESTS — All beginning freshmen must have on file with the Registrar an official copy of the test results from the American College Tests, or be prepared to take the tests at Cameron before completing enrollment. (The fee for taking the tests at Cameron will be five dollars.) No student will be denied admission as a result of the scores on this test, but may be placed on scholastic probation as noted in item 4 of the next section. The composite scores on these tests will serve as a basis for sectioning in Freshman English. Also, no student with a standard score of less than 17 on the mathematics section of the tests, and an Algebra II grade in high school of less than "C" will be permitted to enroll in College Algebra and Trigonometry the same semester.

EXCEPTIONS TO THE ADMISSION REQUIREMENTS—Exceptions to these requirements are made in the following instances and under the following conditions.

1. Veterans who have not graduated from high school will be admitted on the basis of a "High School Equivalency Certificate" or satisfactory scores on the G. E. D. Tests. These test scores must be sent to the Registrar. Transcripts of any high school work the veteran may have must also be sent to the Registrar.

2. A person twenty-one years of age or more who has not graduated from high school, but makes a sufficiently high score 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.

3. **Special Students** include persons of mature age who do not wish to graduate from the college. Such persons may enter as special students taking only those courses which they are prepared to pursue advantageously.

4. **Students who come to Cameron with poor grades on their high school transcript** and fall below certain minimum levels on the American College Tests may, upon the judgment of the Registrar, be enrolled on scholastic probation for one semester and be required to enroll in a reduced number of hours.

5. In all instances the student will be notified of the conditions under which he is admitted.

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.

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

2. 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.

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

ACADEMIC PROCEDURES AND REGULATIONS

ATTENDANCE—The college recognizes that regular attendance is necessary for the successful completion of college courses, and in conjunction with the student senate, has formulated the following policy which has been adopted by the college administration and the college faculty.

1. A student will be allowed to make up class work missed due to a college approved activity or illness. Class work so missed, normally must be made up within one week after the student returns to class.

2. A student having an excessive number of absences in a course must be reported to the Dean of Students. The student will be dropped from the course upon recommendation of the instructor. When such a recommendation is made, written notification of this drop will immediately be sent to the student, the students' parents, and the Registrar.

3. The student may request reinstatement into the class by arranging a special joint conference with the instructor and the Dean of Students.

UNSATISFACTORY WORK—The following regulations apply in those instances in which students are doing unsatisfactory work.

1. Upon recommendation of the teacher in charge and with the sanction of the Dean of Students, a student may at any time be dropped from a course because of neglect, inability or lack of preparation. No other subject, however, may be substituted at the time unless arrange-

ment is agreeable with the instructor concerned. Normally such additions must come within the first three weeks of the semester.

2. 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 re-enter on scholastic probation only after at least one semester's time has elapsed from the date of his suspension.

3. 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 Registrar. A student so enrolled is automatically on probation and may be dropped when in the judgment of the Dean of Students and his instructors, this will be to the advantage of the student or the institution.

4. 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.

5. A semester grade of I must be made up during the first nine weeks of the succeeding semester.

DROPPING A COURSE OR WITHDRAWAL FROM COLLEGE—Certain regulations govern the cases of dropping a course or withdrawing from college.

1. A student desiring to withdraw from school should secure a withdrawal form from the Registrar, have it properly signed and leave it at the business office.

2. 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 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.

3. 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.

4. A student desiring to drop a single course or re-arrange his course in any way must secure the proper card at the Registrar's office, have it approved by his instructor and advisor and leave it at the business office.

5. The conditions stated in (2) will determine the grade received when a single course is dropped.

6. A student who ceases to attend class but who never officially withdraws from that course will receive an F in the course.

7. The deadline for changing courses shall be no later than the end of the third full week of instruction.

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

EXAMINATIONS—Students absent from any written test shall

be regarded as having failed 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.

Before the student may take semester examinations, he must be certified by the Dean of Instruction 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 those students delinquent in any respect will be sent to 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 of "B", two grade points for each hour of "C", and one grade point for "D's".

ADVANCED STANDING EXAMINATIONS: A student whose travel, extensive reading, special study, or other unique educational experiences appear to have given him proficiency in a course required in his curriculum equivalent to that ordinarily attained by those taking the course in regular class may be granted permission to take an advanced standing examination in the course under the following regulations.

(1) Upon application to and the approval of the Advanced Standing Committee, and upon payment of a five-dollar fee per course, a student may take advanced standing examinations in any course which the college offers.

2. Examinations will be scheduled at not more than four periods per year, with the dates to be set up and publicized by the Advanced Standing Committee. These will be at the beginning of the fall semester, early in January, during the second week in March, and the third week in May.

3. Any credit to be received will be placed on the student's Permanent Record Card after his enrollment at Cameron. If the student never enrolls at Cameron, no credit would be granted.

4. Examinations will be prepared and graded by a committee of qualified teachers in the particular subject, the personnel of such committee to be determined in a regular departmental meeting of the department involved. The examination will normally be more extensive and complete than the usual final examination in that course.

5. To receive the specified credit hours for the course, a student must make a minimum grade of "C". If the examination grade is less than "C", no credit will be given and no entry made on the Permanent Record Card.

6. A maximum of twelve semester hours toward graduation from Cameron may be earned by advanced standing examination, except that upon recommendation of the Advanced Standing Committee, a student may petition the Administrative Council to earn more than the above twelve hours and that the Council shall have the power to set the maximum for that student.

7. Advanced standing will not be available for students who have been previously enrolled in the course and have failed or have withdrawn without acceptable reasons.

8. Language credits will not be available by Advanced Standing in the native tongue of Foreign-born students.

GRADUATION

COURSE REQUIREMENTS—Sixty four semester hours of course work are required for graduation. These must be selected from:

1. Any one of the suggested curriculums described in the catalog on pages 32 through 44, and

2. The general education requirements of the College described on page 32.

NOTE: Colleges and universities have particular requirements for entrance into the junior year of college work. Students who plan to continue their education at another college after completion of their work at Cameron should inform their advisor of their intentions in order that their educational program may be properly planned.

RESIDENCE—The last twelve semester hours of work must be done in residence.

MILITARY SCIENCE—All male students entering the college must enroll in military science unless exempt as hereinafter provided. To obtain such exemption a student must file a written request with the registrar giving information concerning his case. Students who meet one of the following conditions may be exempt from all or a part of the required four semesters of military science.

(a) students who have had at least six months of active basic military training are exempt from all basic military requirements.

(b) physical disability. Only the college physician can grant approval on this.

(c) night or part-time student status, only as long as such status exists. Enrollment in 11 semester hours or less shall constitute part-time enrollment.

(d) students over 23 years of age on or before the date of their first enrollment at Cameron.

(e) students who transfer from colleges where ROTC is not taught will substitute physical education for the ROTC required during those semesters when the student was not enrolled at Cameron.

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

EXCEPTIONS TO REQUIREMENTS—A student may petition the Administrative Council for a waiver in exceptional cases involving requirements other than American history or government.

AWARDS—Cameron College recognizes completion of work through two awards.

1. The Associate in Arts degree is awarded to the graduates who satisfy all of the above listed requirements.

2. The Certificate of Completion is awarded to those who have earned sixty or more semester hours of course work but who are not eligible for the Associate in Arts degree.

3. Both categories of award winners go through the same commencement exercises and pay the same graduation fees.

DISCIPLINE

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

The disciplinary committee is composed of the Dean of Men, 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.

Evening Classes for Adults

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 for which you have never found time.

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, \$8.00 per semester hour, making the majority of courses cost \$24.00 per semester. Shop course and those courses that are primarily laboratory are \$37.50 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 Room 3 of library.

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 three conditions for entrance.

ENROLLMENT Dates—Summer 1961, Wednesday and Thursday, May 31—June 1, 7:00 P.M. in Room 3 of the Library Building on the campus; Fall term, 1961, Wednesday and Thursday, September 13, 14, in Room 3 of the Library Building at 7:00 P.M.; Winter term 1962 Wednesday

day and Thursday, January 10-11, same place and same hour; Spring term 1962 Wednesday and Thursday, March 14-15, 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 book store. It will be open on enrollment nights and for the first two or three nights after classes start. After that, special arrangements must be made during regular day hours.

BUSINESS: COURSES OFFERED

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

GENERAL COURSES:

Any course in 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 114-123-133
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 113	Psychology 113
French 115-125	Sociology 113-213
Botany 114	European History 143-153
Federal Govt. 213	Spanish 114-123-133
Physics 114-124	Trigonometry 183

HOME ECONOMICS:

Clothing 103-113

SHOP:

Bench Woodwork 113	Engineering Drawing 112-122
Acetylene Welding 272	Arc Welding 282
Architectural Detailing 213	

PLANNING YOUR COLLEGE COURSE

SUGGESTED CURRICULUMS

Agriculture
 Arts & Sciences (General)
 Drafting Technician
 Electronic Technician
 Engineering
 Forestry
 General Home Economics
 Industrial Arts
 Music
 Pre-Veterinary Medicine
 Pre-Elementary Education
 Pre-Journalism
 Pre-Medical — Pre-Dental — Pre-Optometry
 Pre-Nursing
 Pre-Pharmacy
 Pre-Theology
 Pre-Professional Business
 Pre-Business Education
 Science
 Two-Year Secretarial
 Two-Year General Business
 Vocational Home Economics

GENERAL EDUCATION

(Required of all students for the Associate in Arts degree)

English 113, 123	
Government 213	6
History 213 or 223	3
Speech 112 or 122	3
The specified number of hours taken in selected courses in the following fields	2
Mathematics	
Science	3
Humanities (selected from art appreciation, music appreciation, literature, religious education, speech, or drama)	4
	2-3
Total	23-24 hours

AGRICULTURAL CURRICULUM

FRESHMEN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
*Chemistry 114—General	4	Chemistry 124—General	4
A. H. 113	3	**Agronomy 204	4
Botany 114—General	4	***Govt. 213 or Dairy 113	3
Mil. Sci. 112	2	Mil. Sci. 122	2

SOPHOMORE (A.H.)

First Semester	Cr.	Second Semester	Cr.
A. H. 223—Brds. of Livestock	3	A. H. 123—Livestock Feeding	3
Chemistry 245—Organic	5	Entomology 223—General	3
Agronomy 224 or Ag. Math 133	4-3	Bact. 224—General	4
Zoology 214—General	4	Hist. 223—American	3
Speech 112	2	Humanities	2
Mil. Sci. 212	2	Mil. Sci. 222	2

SOPHOMORE (Ag. Econ.)

First Semester	Cr.	Second Semester	Cr.
Economics 213—Principles	3	Economics 223—Principles	3
Agronomy 224—Fundamentals	4	Entomology 223—General	3
Math 143—Inter. Algebra	3	Zoology 214—General	4
Acct. 213—Elements	3	Soc. 113 or Psych. 113	3
Speech 112	2	Humanities	2
Mil. Sci. 212	2	Mil. Sci. 222	2

SOPHOMORE (Ag. Ed.)

First Semester	Cr.	Second Semester	Cr.
Poultry 103—Farm Poultry	3	Entomology 223—General	3
Ag. Engr. 202—Soil Conserv.	2	Hort. 103—General	3
Zoology 214—General	4	Govt. 213—Federal	3
Ag. Math. 133 or Ag. Econ. 203	3	Dairy 113—Dairy Cattle Management	3
Speech 112	2	Humanities	2
Mil. Sci. 212	2	Mil. Sci. 222	2

SOPHOMORE (Agronomy)

First Semester	Cr.	Second Semester	Cr.
Agronomy 224—Fundamentals	4	Entomology 223—General	3
Chemistry 245—Organic	5	A. H. 123—Livestock Feeding	3
Math. 173—College Algebra	3	Zoology 214—General	4
Speech 112	2	Ag. Engr. 122	2
Mil. Sci. 212	2	Humanities	2
		Mil. Sci. 222	2

SOPHOMORE (Soils)

First Semester	Cr.	Second Semester	Cr.
Agronomy 224—Fundamentals	4	Chem. 215—Quan. Anal.	5
Chemistry 245—Organic	5	Zoology 214—General	4
Physics 114	4	History 223—American	3
Speech 112	2	Humanities	2
Mil. Sci. 212	2	Mil. Sci. 222	2

*A student may choose Algebra 143 or Ag. Math 133 and defer Chemistry 114 by permission.

**Ag. Econ. majors may choose Hort. 103 instead of Agronomy 204 if they wish.

***Soils majors should take Algebra 143 or Algebra 173 here and defer Government until their sophomore year.

FORESTRY

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chemistry 114—General	4	Chemistry 124—General	4
History 223 or Govt. 213	3	Botany 114—General	4
Math. 173—College Algebra	3	Math. 183—Trigonometry	3
Engineering Drawing 112	2	Mil. Sci. 122	2
Mil. Sci. 112	2		

Total 16 hrs.

Total 17 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Ag. Economics 203	3	Transfer to a school of Forestry.	
Speech 112	2		
Govt. 213 or History 223	3		
Surveying 123	3		
Physics 114—General	4		
Mil. Sci. 212	2		

Total 17 hrs.

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.

PRE-VETERINARY MEDICINE

FRESHMEN

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 or Humanities	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 or Govt. 213	3	Govt. 213 or Hist. 223	3
Humanities or Speech 112	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.

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-Law, Pre-Optometry, 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	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Math. 143-173	3	Math. 173-183	3
Hist. 223 or Govt. 213	3	Hist. 223 or Govt. 213	3
Speech 112 or Humanities	2	Humanities or Speech 112	3
Science*	4	Science*	4
Phys. Ed. 111 (Girls)	1	Phys. Ed. 121 (Girls)	1
Mil. Sci. 112 (Boys)	2	Mil. Sci. 112 (Boys)	2

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
English Elective	3	English Elective	3
**Social Science	3	**Social Science	3
Language Elective	5	Phys. Ed. 211 (Girls)	1
Elective	4	Elective	4
Phys. Ed. 221 (Girls)	1	Language Elective	5
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.

PRE-ELEMENTARY EDUCATION CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	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
Fam. Rel. or Typing	3	Biology 115	5
Speech 112	2	Art Appreciation 212	2
Phys. Ed. 111 (Girls)	11	Phys. Ed. 121 (Girls)	1
Mil. Sdi. 112 (Boys)	2	Mil. Sci. 121 (Boys)	2

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
English Elective	3	English Elective	3
Elective	5	Elective	3
Geography 213	3	Art. 113	3
Humanities	2	Personal Health 152	2
Govt. 213—Federal	3	Oklahoma History 112	2
Phys. Ed. (Girls)	1	The Child 212	2
Mil. Sci. 212 (Boys)	2	Phys. Ed. 221 (Girls)	1
		Mil. Sci. 222 (Boys)	2

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

MUSIC CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Music 115—Harmony and Ear Training	5	Music 125—Harmony and Ear Training	5
Mathematics Elective	3	Science	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

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Govt. 213 or Hist. 223	3	Govt. 213 or Hist. 223	3
Music 215—Harmony and Ear Training	5	Music 225—Harmony and Ear Training	5
Humanities	2	Speech 112	2
Piano or Voice	2	Piano or Voice	2
Band or Chorus	1	Band or Chorus	1
Music Appreciation 212	1	Phys. Ed. 221 (Girls)	1
Phys. Ed. 211 (Girls)	1	Mil. Sci. 222 (Boys)	2
Mil. Sci. 212 (Boys)	2		

PRE-MEDICAL CURRICULUM

FRESHMAN

First Semester		Second Semester	
Cr.		Cr.	
English 113	3	English 123	3
*Chem. 114-115	4 or 5	*Chem. 124-222	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 had chemistry in high school take Chem. 115 and 222; others take Chem. 114-124.

SOPHOMORE

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

PRE-NURSING

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

FRESHMAN

First Semester		Second Semester	
Cr.		Cr.	
English 113	3	English 123	3
Chem. 114-General	4	Chem. 124-General	4
Govt. 213 or Hist. 223	3	Govt. 213 or Hist. 223	3
Family Relations 113	3	Psychology 113-Elements	3
Physiology 213-Human	3	Humanities	2
Phys. Ed. 111	1	Phys. Ed. 121	1
Total	17 hrs.	Total	16 hrs.

SOPHOMORE

First Semester		Second Semester	
Cr.		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	Speech	2
Phys. Ed. 211	1	Phys. Ed. 221	1
Total	16 hrs.	Total	15 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 deferred to the sophomore year and some of the courses listed there years of foreign language, beginning and intermediate algebra.

PRE-PHARMACY

Pharmacy is a five year program with the requirement that the last three years be spent in an approved school of pharmacy. By following the program outlined below, the student will have no trouble in transferring to a senior college at the close of his two years at Cameron.

FRESHMAN

First Semester		Second Semester	
Cr.		Cr.	
English 113	3	English 123	3
Chemistry 114-115	4-5	Chemistry 124-222	4
Math. 143-173	3	Math. 173-183	3
Govt. 213 or Hist. 223	3	Botany 114-General	4
Humanities or Speech 112	2	Phys. Ed. 121 (Girls)	1
Phys. Ed. 111 (Girls)	1	Mil. Sci. 122 (Boys)	2
Mil. Sci. 112 (Boys)	2		

SOPHOMORE

First Semester		Second Semester	
Cr.		Cr.	
Chem. 235-Organic	5	Zoology 214-General	4
Physics 114-General	4	Physics 124-General	4
Business Comm. 213	3	Hist. 223 or Govt. 213	3
Economics 213-Principles	3	Speech 112 or Humanities	2
Phys. Ed. 211 (Girls)	1	Phys. Ed. 221 (Girls)	1
Mil. Sci. 212 (Boys)	2	Mil. Sci. 222 (Boys)	2

SCIENCE CURRICULUM

(For prospective science teachers as well as those who plan to go into research or industry.)

FRESHMAN

First Semester		Second Semester	
Cr.		Cr.	
English 113	3	English 123	3
*Science	4	*Science	4
Math. 143-173-165	3	Math. 173-183-205	3
Hist. 223 or Govt. 213	3	Hist. 223 or Govt. 213	3
Speech 112 or Humanities	2	Speech 112 or Humanities	2
Mil. Sci. 112 (Boys)	2	Mil. Sci. 122 (Boys)	2
Phys. Ed. 111 (Girls)	1	Phys. Ed. 221 (Girls)	1

SOPHOMORE

First Semester		Second Semester	
Cr.		Cr.	
English Elective	3	English Elective	3
**Science	4 or 5	**Science	4 or 5
Math. 183-194-225	3 or 4	Math. 194-214	4
Literature	3	Elective	3
Mil. Sci. 212 (Boys)	2	Mil. Sci. 222 (Boys)	2
Phys. Ed. (Girls)	1	Phys. Ed. 221 (Girls)	1

Recommended Electives: Business Communications 213, Advanced Composition 233, 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-PROFESSIONAL BUSINESS CURRICULUM

Two plans, the Pre-Professional Business Administration, and the Pre-Business Education curriculums are outlined for the convenience of business students whose objective is to prepare for entrance into standard senior colleges and universities.

FRESHMAN			
First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
*Science or Elective	5	Math. 173 or Elective	3
Math. 143-173	3	American History or Govt.	3
**Speech 112	2	*Science or Elective	5
Govt. or American History	3	Phys. Ed. 121 (Girls)	1
Phys. Ed. 111 (Girls)	1	Mil. Sci. 222 (Boys)	2
Mil. Sci. 112 (Boys)	2		

SOPHOMORE			
First Semester		Second Semester	
	Cr.		Cr.
Business Communications 213	3	Business Communications 223	3
Acct. 213—Elements	3	Acct. 223—Elements	3
Economics 213—Principles	3	Economics 223—Principles	3
Humanities (literature)	2-3	Electives	6
Elective	3	Phys. Ed. 221 (Girls)	1
Phys. Ed. 211 (Girls)	1	Mil. Sci. 222 (Boys)	2
Mil. Sci. 212 (Boys)	2		

PRE-BUSINESS EDUCATION CURRICULUM

(For those who plan to teach Business subjects in High School)

FRESHMAN			
First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
*Science or Elective	5	*Electives or Science	5
Bus. Math. 113 or Math. 143	3	Algebra 143-173	3
Shorthand 113-123	3	Shorthand 123 and Typing or Dictation-Transcription	6
Speech 112	2	Phy. Ed. 121 (Girls)	1
Phys. Ed. 111 (Girls)	1	Mil. Sci. 122 (Boys)	2
Mil. Sci. 112 (Boys)	2		

SOPHOMORE			
First Semester		Second Semester	
	Cr.		Cr.
Business Communications 213	3	Business Communications 223	3
Acct. 213—Elements	3	Acct. 223—Elements	3
Economics 213—Principles	3	Economics 223—Principles	3
Govt. 213 or Hist. 223	3	History 223 or Govt. 213	3
Elective	3	Office Machines 212	2
Phys. Ed. 211 (Girls)	1	Humanities	2
Mil. Sci. 212 (Boys)	2	Phys. Ed. 221 (Girls)	1
		Mil. Sci. 222 (Boys)	2

*Biology 115 is suggested, to meet the Science requirement. During the semester in which the student is not enrolled in Biology, electives in Psychology, Sociology, and Home Economics may be used.

**Those students who cannot type will be required to take Typewriting 103, with speech being postponed to later semesters.

RECOMMENDED ELECTIVES — Students transferring to the University of Oklahoma should take six hours of American History. At Oklahoma State both geography and Sociology are required. Other electives are: a language, Humanities, Psychology, Journalism, additional speech or English, and business electives such as salesmanship, business law or typewriting.

OFFICE ADMINISTRATION

TWO-YEAR SECRETARIAL ADMINISTRATION

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

FRESHMAN			
First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Math 113-Bus. Math.	3	*Shorthand 123	3
*Shorthand 113-123	3	*Typewriting 133-253	3
*Typewriting 103-133-253	3	Biology 115	5
Govt. 213 or Hist. 223	3	Speech 112	2
Phys. Ed. 111	1	Phys. Ed. 121	1

SOPHOMORE			
First Semester		Second Semester	
	Cr.		Cr.
Business Communications 213	3	Business Communications 223	3
Dictation 214	4	Business Machines 212	2
Transcription 202	2	Elective	3
Hist. 223 or Govt. 213	3	Advanced Dictation 223	3
Economics 213	3	Business electives	3
Humanities	2	Accounting 213	3
Phys. Ed. 211	1	Humanities	2
		Phys. Ed. 221	1

*The shorthand or typewriting course elected by the student will be determined by the highschool credit transferred to Cameron College.

TWO-YEAR GENERAL BUSINESS

Designed to give a broad, general education rather than a highly specialized training which concentrates on skill, the general business curriculum is provided for students who do not plan to complete a four-year college program.

FRESHMAN			
First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Biology 115 or Elective	5	Humanities or Biology 115	5
Math 113-143	3	Math 143-173	3
Speech 112	2	*Typing 103-133	3
Govt. 213 or Hist. 223	3	Hist. 223 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		Second Semester	
	Cr.		Cr.
Business Comm. 213	3	Business Comm. 223	3
Acct. 213—Elements	3	Acct. 223—Elements	3
Business Machines 212	2	Salesmanship or Business Law	3
Economics 213 Principles	3	Economics 223 Principles	3
Elective	3	Elective	3
Mil. Sci. 212 (Boys)	2	Mil. Sci. 222 (Boys)	2
Phys. Ed. 221 (Girls)	1	Phys. Ed. 221 (Girls)	1

*Students who have high school credit in typing may be excused from typewriting thus providing opportunity for additional business subjects.

Flexibility of electives permits the students to select preferred courses that have both general education and departmental value.

ENGINEERING CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
*Math. 165 or		Math. 205 or	5
Algebra 143-173	5	Trig. 183	3
Chemistry 114 or 115	4 or 5	Chem. 124	4
Engineering Drawing 112		or	
or 122	2	Physics 215	5
Shop Elective	1	Speech 112	2
Mil. Sci. 112	2	Mil. Sci. 122	2
Total	17 or 18 hrs.	Total	17 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Math. 225	5	Differential Equations 233	3
Physics 215 or 224	4 or 5	Hist. 223 or Govt. 213	3
Hist. 223 or Govt. 213	3	Physics 224 or 223	3 or 4
Engr. Elective	3	Engr. Elective	5
Mil. Sci. 212	2	Mil. Sci. 222	2
		Humanities	2
Total	17 or 18 hrs.		18 or 19 hrs.

*Those students who have not had intermediate algebra in high school must enroll in Algebra 143-173. This means that Mathematics 205 will not be taken until the first semester of the second year and students following this program will be one semester behind other students in the study of mathematics. Students who do not have credit for Trigonometry in high school will enroll in Algebra 173 and Trig. 183 instead of Math. 165

RECOGNIZED ELECTIVES: Surveying 123, Des. Geometry 123, Advanced Composition 233, Business Communications 213, Economics 213, Accounting 213, Pattern Making 231, Welding 272, Machine Shop 242, Mechanics 214.

DRAFTING CURRICULUM

(Leading to an Associate in Arts Degree)

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
*Draw 112—Engr. Drawing	2	Draw 122—Engr. Drawing	2
Hist. 223 or Govt. 213	3	Draw 123—Descriptive Geom.	3
Draw 132—Freehand Drawing	2	Math. 183—Trigonometry	3
Math 173—College Algebra	3	Draw 152—Graphic Analysis	2
Speech 112—Fundamentals	2	Math. 132—Drafting Math.	2
Mil. Sci. 112	2	Mil. Sci. 122	2
Total	17 hrs.	Total	17 hrs.

*With sufficient background in high school mechanical drawing Engineering Drawing 122 may be taken the first semester and an elective substituted the second semester.

SOPHOMORE YEAR NEXT PAGE

DRAFTING CURRICULUM

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Draw 224—Arch. Design	3	Draw 224—Arch. Design	4
Draw 223—Mach. Design	3	Draw 244—Machine Design	4
Draw 253—Structural Design	3	Draw 264—Structural Design	4
Govt. 213 or Hist. 223	3	Physics 114—General	4
Draw 273—Ind. Illustration	3	Mil. Sci. 222	2
Mil. Sci. 212	2	Total	18 hrs.
Total	17 hrs.		

ELECTRONIC TECHNOLOGY

(Leading to an Associate in Arts Degree)

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 1T2	
Math 165 (Alg.-Trig.)		Tech. Report Writing	2
or Alg. 173 & Trig. 183	5	Math. 1T4 (Applied Math)	4
Shop 111, Elect. Shop		Physics 114	4
Processes	1	Elect. 125, Basic	
Engr. Drawing 112	2	Electronics	5
Elect. 115, Direct Current	5	Mil. Sci. 122	2
Mil. Sci. 112	2	Total	17 hrs.
Total	18 hrs.		

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Gov. 213 or Hist. 223	3	Gov. 213 or Hist. 223	3
Elect. 135, Alternating Currents	5	Elect. 245, Transmitter Theory & Operation	5
Drawing 152, Graphic Analysis	2	Electricity 222	
Electricity 235		Circuit Tracing	2
Electronic Circuit Analysis	5	Elect. 255, Ultra High Frequencies & Micro Waves	5
Mil. Sci. 212	2	Mil. Sci. 222	2
Total	17 hrs.	Total	17 hrs.

Fifth Semester	Cr.
Electricity 265	
Industrial Electronics	5
Electricity 275	
Television Circuits	5
Economics 213	3
Psychology 113	3
Electricity 242 (special problem)	2
Total	18 hrs.

INDUSTRIAL ARTS CURRICULUM

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.

FRESHMAN

First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
*Science	4 or 5	*Science or Elective	4 or 3
Drawing 112—Engr. Drawing	2	Drawing 122—Engr. Drawing	2
Shop 113—Bench Woodwork	3	Shop 213—Mach. Woodwork	3
Humanities or Speech 112	2	Hist. 223 or Govt. 213	3
Mil. Sci. 112	2	Mil. Sci. 122	2
Total	16 or 17 hrs.	Total	16 or 17 hrs.

SOPHOMORE

First Semester		Second Semester	
	Cr.		Cr.
Govt. 213 or Hist. 223	3	Shop 262—Carpentry Prob.	2
**Math. 143-173	3	**Math. 173-183	3
Shop 242—Machine Shop	2	Shop 222 or Shop 112	2
Shop 282—Electric Welding	2	Shop 272—Acetylene Welding	2
Shop 291—Wood Turning	1	Elective	5
Speech 112 or Humanities	2	Mil. Sci. 222	2
Econ. 213—Principles	3		
Mil. Sci. 212	2		
Total	18 hrs.	Total	16 hrs.

*Oklahoma State requires eight hours of Chemistry. The four-year colleges require one course each in a biological science and a physical science. Other colleges have still different requirements. Check those of the college to which you plan to transfer.

**The course taken will depend on whether one or two years of algebra was taken in high school and on the requirements of the college to which you plan to transfer. This requirement varies widely from college to college.

RECOMMENDED ELECTIVES: Family Relations 113, Psychology 113, Sociology 113 or 213, Typing 103 if no previous typing credit, Descriptive Geometry 123.

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		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Food Preparation 113	3	Clothing Construction 113	3
Family Relation 113	3	Textiles 132	2
Art 113—Fundamentals	3	Art 212—Art Appreciation	2
Chemistry 114—General	4	Personal Health 152	2
Phys. Ed. 111	1	Chemistry 204—Organic	4
		Phys. Ed. 121	1
Total	17 hrs.	Total	17 hrs.

SOPHOMORE

First Semester		Second Semester	
	Cr.		Cr.
Consumer Problems 213	3	Foods 213—Family Nut. and Meals Service	3
Adv. Clothing Constr. 223	3	Houseplan and Decor. 234	4
Govt. 213—or Hist. 223	3	Hist. 223—or Govt. 213	3
Speech 112	2	Humanities	2
Biology 115—General	5	Literature	3
Phys. Ed. 211	1	Phys. Ed. 221	1
Total	17 hrs.	Total	16 hrs.

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

GENERAL HOME ECONOMICS CURRICULUM

(Continuation or Two year)

FRESHMAN

First Semester		Second Semester	
	Cr.		Cr.
English 113	3	English 123	3
Food Preparation 113	3	Clothing Constr. 113	3
Family Relations 113	3	Personal Health 152	2
Biol. or Chem. 114	5	Textiles 132	2
Art 113—Fundamentals	3	Electives	5
Phys. Ed. 111	1	Phys. Ed. 121	1
Total	18 hrs.	Total	16 hrs.

SOPHOMORE YEAR ON NEXT PAGE

GENERAL HOME ECONOMICS CURRICULUM

SOPHOMORE

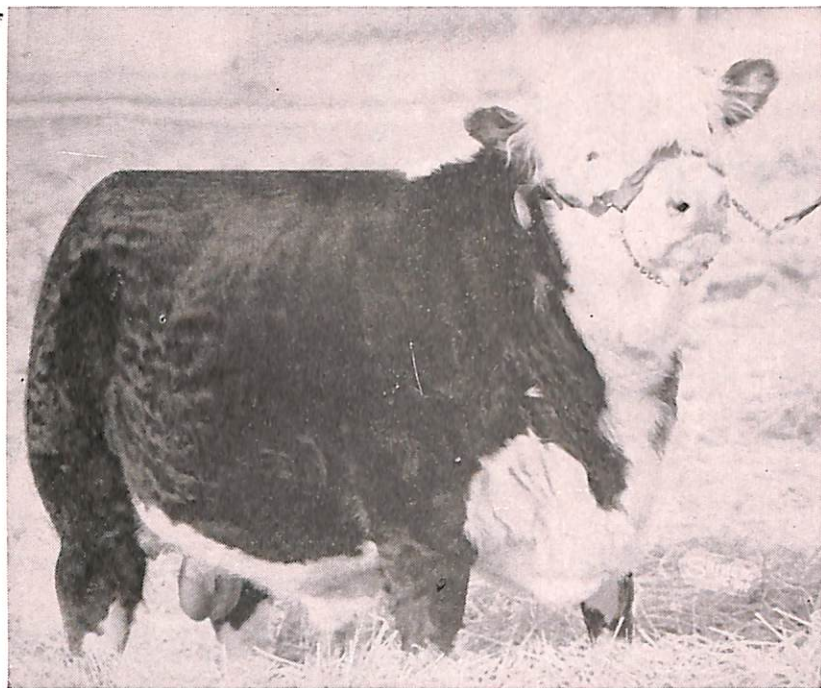
First Semester		Second Semester	
	Cr.		Cr.
Hist. 223—or Govt. 213	3	Hist. 223—or Govt. 213	3
Consumer Problems 213	3	Foods 213	3
Adv. Cloth. Constr. 223	3	Speech 112	2
Humanities	2	House Plan. 234	4
Electives	4	Electives	4
Phys. Ed. 211	1	Phys. Ed. 221	1
Total	16 hrs.	Total	17 hrs.

Suggested electives are additional science, sociology, psychology, typing, language, music, and use of free electives to help build a second teaching field. The above schedule leads to a standard home economics certificate if you want to teach general home economics and one other subject such as English. Or if one does not plan to teach, the free electives may be used to broaden your general education for more effective living.

DEPARTMENTS OF INSTRUCTION

Instruction at Cameron State Agricultural College is organized along departmental lines. This type of organization gives every faculty member an opportunity to participate actively in educational planning.

Each departmental group selects its own chairman and recorder, sets up departmental objectives that are consistent with those of the College and recommends courses to be taught and curriculums offered within its particular department.



This animal born on the college farm, was shown by the college at the Denver show in 1953 where he was 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.

AGRICULTURE

Paul Elder

Objectives

1. To provide the first two years of academic work in any accredited four-year college.
2. To provide a two year terminal program in agriculture for those students who do not intend to complete four years of college work.

The facilities for teaching agriculture are modern and are kept current with new developments in each phase of agriculture. The 1310-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 consist of beef cattle and dairy cattle. 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.

Agronomy activities include research and demonstration work with small grains and sorghums and seed increase with new varieties.

AGRICULTURAL COURSES

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 CONSERVATION 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.

AGRICULTURAL MATHEMATICS 133. First semester. Class 3 hours, credit 3 hours. Basic mathematics for students of agriculture. Practical problems in agriculture.

AGRONOMY 204—PRINCIPALS 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.

AGRONOMY 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.

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 3 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.

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 223—GENERAL ENTOMOLOGY. Second semester. Class 2 hours, laboratory 2 hours, credit 3 hours. Prerequisite: Zoology 214. A general study of the biology and classification of insects with life histories and methods of control of the more important species.

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



Arts and Sciences

Courses in the 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.

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 Arts and Science: 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.

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.

BIOLOGICAL SCIENCE

Ruth B. Howell

John P. Huckabay

Objectives

1. To offer courses which will provide a groundwork for those students who wish to continue in biology or any of the related fields of medicine, technology, research, or teaching.
2. To offer courses which afford general information to those students who do not wish to major in any of the various fields of biology, but do express a desire to have a clearer understanding of their natural environment.

BIOLOGICAL SCIENCE COURSES

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

BIOLOGY 115—GENERAL BIOLOGY. Each semester. Class 4 hours, laboratory 2 hours, credit 5 hours. One cell animals to complex animals, including man; one cell plants to multicellular plants. The economic value of the study of the biological world as it pertains to man, his problems, his happiness and progress as well as his place in society is a foremost factor in this course.

BOTANY 114—GENERAL BOTANY. Each semester. Class 3 hours, laboratory 2 hours, credit 4 hours. An introduction to the structure, life processes and reproduction of the seed bearing plants and their relations to the environment.

BOTANY 124—GENERAL BOTANY. Second semester. Prerequisite: Botany 114. 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.

PHYSIOLOGY 213—HUMAN ANATOMY AND PHYSIOLOGY. Class 3 hours, credit 3 hours. Required for Physical Education majors and Preprofessionals. Electives for students majoring in non-science courses. Human anatomy, all functional systems of the body and their interrelation including the physio-chemical processes.

ZOOLOGY 214—GENERAL ZOOLOGY. Each semester. Class 3 hours, laboratory 2 hours, credit 4 hours. A survey and classification of animal kingdom, stressing the animals from the simple to the complex, to develop an appreciation of animal life as it relates to human understanding and welfare. A zoological background permits the human to know his place in the animal kingdom.

ZOOLOGY 224—VERTEBRATE ZOOLOGY. Second semester. Class 3 hours, laboratory 6 hours, credit 4 hours. Prerequisite: Zoology 214. Characteristics of vertebrate animals based on evolutionary anatomy, stressing differentiation of distinct groups and their relationship and economic importance. The course is planned to fulfill the needs of pre-professionals and biology majors.



LANGUAGE ARTS

W. J. Becker
Jessie May Hines
T. Verle Jones

Kinley McClure
Lameda Robertson
Grady Walker

Objectives

1. To provide a curriculum that will encompass basic courses in composition, speech, journalism, literature, Spanish, French and German.
2. To provide instruction within these basic courses comprehensive enough to furnish a background for the continuing or the terminal student.
3. To develop in each individual, commensurate with his optimum ability (and desire), a measure of competency in the following skills: reading, writing, speaking, and listening.
4. To encourage logical and critical thinking and an appreciation of the aesthetic values in our cultural heritage.
5. To stimulate the student to find interests in languages, the speech arts, and literature - either creative or practical.

LANGUAGE ARTS COURSES

ENGLISH 113—FRESHMAN COMPOSITION. Class 3 hours; credit 3 hours. A study of the fundamentals of effective composition with particular attention to the mechanics of the sentence and paragraph; the use of the dictionary and the library; vocabulary improvement.

ENGLISH 123—FRESHMAN COMPOSITION. Class 3 hours; credit 3 hours. Prerequisite: English 113. A continuation of English 113.

Traditional and modern types of discourse, especially in the longer composition, with illustrations from readings, the procedure for the research paper.

ENGLISH 202—INTRODUCTION TO POETRY. Alternate semesters. Class 2 hours, credit 2 hours. Prerequisite: English 113. An appreciation of poetry through an understanding of the basic elements of various types of poetry.

ENGLISH 212—INTRODUCTION TO PROSE. Alternate semesters. Class 2 hours, credit 2 hours. Prerequisite: English 113. An appreciation of prose through a study of types of fiction and non-fiction.

ENGLISH 222—INTRODUCTION TO DRAMA. Alternate semesters. Class 2 hours, credit 2 hours. Prerequisite: English 113. A literary appreciation of drama through the study of representative plays from the Greek to contemporary drama.

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. Class 3 hours, credit 3 hours. Prerequisite: English 113 and 123. A study of English literature from its beginning to the close of the eighteenth century.

ENGLISH 223—SURVEY OF ENGLISH LITERATURE. Class 3 hours, credit, 3 hours. Prerequisite: English 113 and 123. A study of English literature from the beginning of the nineteenth century to the present.

ENGLISH 233—ADVANCED COMPOSITION. Class 3 hours, credit 3 hours. Prerequisites: English 113 and 123. Advanced study of the principles of effective composition.

ENGLISH 252—USE OF BOOKS AND THE LIBRARY. 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. Class 3 hours, laboratory 2 hours. Credit 3 hours. Prerequisite, ability to type. An introduction to newspaper writing. The technique of news story writing and the kinds of news and their resources.

ENGLISH 263—JOURNALISM. Class three hours, laboratory 2 hours, credit 3 hours. Prerequisite: English 253. A continuation of news writing with a study of the mechanics of newspaper production.

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

ENGLISH 283—SURVEY OF AMERICAN LITERATURE. Class 3 hours credit 3 hours. Prerequisite: English 113 and 123. A study of American literature from its beginning to Whitman.

ENGLISH 293—SURVERY OF AMERICAN LITERATURE. Class 3 hours, credit 3 hours, Prerequisites: English 113 and 123. A study of American literature from Whitman to the present.

ENGLISH 1T2—TECHNICAL REPORT WRITING. Class 2 hours, credit 2 hours, Prerequisite: English 113. Techniques of collecting and presenting scientific data. Forms and procedures for technical reports.

DRAMATICS 113—STAGECRAFT. Class 3 hours, plus 2 hour laboratory, credit 3 hours. Study of the theory and practical experience in the fundamentals of painting and constructing scenery.

DRAMATICS 123—STAGECRAFT. Class 3 hours, plus 2 hour laboratory, credit 3 hours. Continuation of Dramatics 113.

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 or permission. A continuation of Speech 112.

SPEECH 113—FUNDAMENTALS. Given in evening classes. Elements of speech and principles of speaking in everyday relationships and public address. Covers approximately the same material as Speech 112-122.

SPEECH 123—DEBATE. Class 3 hours, plus 2 hour laboratory, 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. Prerequisites: 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 INTERPRETATION. 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 INTERPRETATION. Class 3 hours, credit 3 hours. Prerequisite: Speech 233. Continuation of Speech 233. Emphasis on the selection, cutting, arrangement and presentation of material to radio and other audiences.

SPEECH 273—ELEMENT 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.

FRENCH 115—BEGINNING FRENCH. First semester, Class 5 hours, credit 5 hours. A foundation course in speaking, reading, writing, and listening comprehension with an insight into the culture of French people. Equivalent to one year of high school French.

FRENCH 125—BEGINNING FRENCH. Second semester, class 5 hours, credit 5 hours. Prerequisite: French 115 or equivalent. Continuation of French 115 and equivalent to second year of high school French.

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.

GERMAN 114—BEGINNING GERMAN. Class 4 hours, credit 4 hours. Essentials of German grammar, pronunciation, and reading. Given in night classes only.

GERMAN 123—BEGINNING GERMAN. Class 3 hours, credit 3 hours. Prerequisite: German 114. A continuation of German 114 with emphasis on reading, composition, and diction. Given in night classes only.

GERMAN 133—BEGINNING GERMAN. Class 3 hours, credit 3 hours. Prerequisite: German 123. A continuation of German 123 with more emphasis on conversation. Given in night classes only.

SPANISH 115—BEGINNING SPANISH. First semester, class 5 hours, credit 5 hours. Foundation course in speaking, reading, writing, and listening comprehension with an insight into the culture of Spanish speaking people. Equivalent to one year of high school Spanish.

SPANISH 125—BEGINNING SPANISH. Second semester, class 5 hours, credit 5 hours. Prerequisite: Spanish 115 or equivalent. Continuation of Spanish 115 and equivalent to second year of high school Spanish.

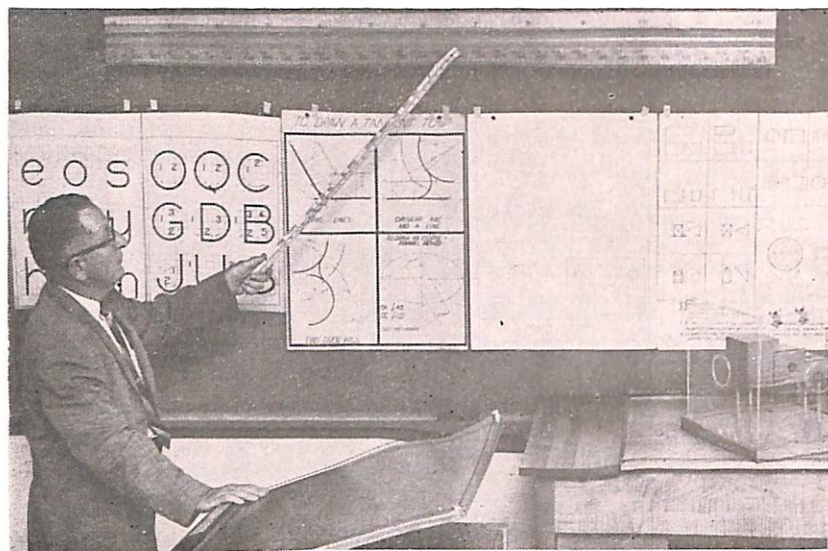
SPANISH 114—BEGINNING SPANISH. Class 4 hours, credit 5 hours. Essentials of Spanish grammar, pronunciation, and reading. Given in night classes only.

SPANISH 123—BEGINNING SPANISH. Class 3 hours, credit 3 hours. Prerequisite: Spanish 114. A continuation of Spanish 114, with emphasis on reading, composition, and diction. Given in night classes only.

SPANISH 133—BEGINNING SPANISH. Class 3 hours, credit 3 hours. Prerequisite: Spanish 123. A continuation of Spanish 123. Given in night classes only.

SPANISH 213—INTERMEDIATE SPANISH. First semester, class 3 hours, credit 3 hours, Prerequisite: Spanish 125 or equivalent, reading, of moderately difficult text, thorough review of minimum essentials of Spanish grammar, conversation and composition.

SPANISH 223—INTERMEDIATE SPANISH. Second semester, class 3 hours, credit 3 hours, prerequisite: Spanish 213 or equivalent, continuation of Spanish 213.



MATHEMATICS

Helen Carney
Millard Carter
Emmet Meraz

Malcom Oswalt
Evelyn Thur
N. L. Tinsley

Objectives

1. To prepare students for advanced standing in mathematics and related fields.
2. To provide instruction in mathematics which embodies knowledge, skills, and attributes needed by each individual to be effective as a worker and citizen.
3. To provide a continuing program of evening classes in mathematics to meet the needs of the community.

MATHEMATICS COURSES

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

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. Offered only in night classes.

MATHEMATICS 113—BUSINESS MATHEMATICS. Either semester. Class 3 hours, credit 3 hours. This is a review of the fundamental operation 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 132—MATHEMATICS IN DRAFTING. Class 2 hours, credit 2 hours. Prerequisites: Algebra 173 and Drawing 122. The study of mathematical problems related to drafting will cover three basic phases (1) parallel tables of slopes and rises (2) parallel tables of logarithms and squares (3) segmental functions.

MATHEMATICS 133—AGRICULTURAL MATHEMATICS. First semester. Class 3 hours. Credit 3 hours. Basic mathematics for students of agriculture. Practical problems in agriculture.

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, application.

MATHEMATICS 165—COLLEGE ALGEBRA AND TRIGONOMETRY. Either semester. Class 5 hours, credit 5 hours. Prerequisite: Math 143 or equivalent, one year of plane geometry, high school trigonometry. A minimum score of 17 on ACT mathematics test. An integrated course in College Algebra and Trigonometry.

MATHEMATICS 173—COLLEGE ALGEBRA. Either semester. Class 3 hours, credit 3 hours. Prerequisite: One and a 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 demensions.

MATHEMATICS 205—ANALYTIC GEOMETRY AND CALCULUS. Either semester. Class 5 hours, credit 5 hours. Prerequisite: Math 173 and 183 (or 165). An integrated treatment of analytic geometry and the calculus.

MATHEMATICS 214—DIFFERENTIAL CALCULUS. First semester. Class 4 hours, credit 4 hours. Prerequisite: Analytics 194. Introduction of calculus; infinitesimals; limits, derivatives differentiation of algebraic of calculus; infinitesimals; limits, derivatives differentiation of algebraic of calculus; 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, center of gravity, and moments of inertia.

MATHEMATICS 225—ANALYTIC GEOMETRY AND CALCULUS. Either semester. Class 5 hours credit 5 hours. Prerequisite: Math 205. A continuation of Mathematics 205.

MATHEMATICS 233—DIFFERENTIAL EQUATIONS. Second semester. Class 3 hours, credit 3 hours. Prerequisite: Math 224 (or 225). Ordinary differential equations, solution in series, and the Laplace transform theory. Applications.

MATHEMATICS 1T4—MATHEMATICS IN ELECTRONICS. Class 4 hours, laboratory 0 hours, credit 4 hours. Prerequisite: Algebra 173 and Trig. 183 and Direct Current Electricity 115, Vector Algebra, graphic and analytical calculus and its application to electrical circuit technology.

MUSIC DEPARTMENT

Bill McMurtry

Tom McCollom

Objectives

1. To build a greater understanding of music through a comprehensive discussion of composers, music forms, styles, and tempers.
2. To learn the essential fundamentals of vocal technic, musicianship, interpretation, and the correct procedures of song study.
3. To develop the piano student technically, musically, and stylistically.
4. To develop an essential understanding of fundamental acoustics and of such basic elements of music as rhythm, melody, harmony, modulation, etc., and to develop sightsinging and keyboard skills.

MUSIC COURSES

MUSIC 115—HARMONY AND EAR TRAINING. Class 5 hours, credit 5 hours. First semester. A study of the eighteenth and nineteenth century style in music, including such basic elements as keys, scales, intervals, harmonic techniques, and modulation with practical application at the keyboard, sightsinging, and melodic, rhythmic, and harmonic dictation designed to develop the student's understanding of the style through careful and attentive listening.

MUSIC 125—HARMONY AND EAR TRAINING. Class 5 hours, credit 5 hours. Second semester. Prerequisite: Music 115. A continuation of Music 115.

MUSIC 215—HARMONY AND EAR TRAINING. Class 5 hours, credit 5 hours. First semester. Prerequisite: Music 125 Sophomore music theory. A continuation of Music 115-125.

MUSIC 225—HARMONY AND EAR TRAINING. Class 5 hours, credit 5 hours. Second semester. Prerequisite: Music 215. A continuation of the 115, 125, 215 sequence.

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 112—CLASS PIANO. Class 2 hours, practice 1 hour per day, credit 2 hours. Prerequisite: Permission. Beginning piano.

MUSIC 122—CLASS PIANO. Class 2 hours, practice 1 hour per day, credit 2 hours. Prerequisite: Music 112. A continuation of Music 112.

MUSIC 222—PIANO. Two thirty-minute individual lessons per week, practice two hours per day, credit 2 hours. Open only to music majors. May be repeated for credit.

MUSIC 221—PIANO. One thirty-minute individual lesson per week, practice one hour per day, credit 1 hour. Prerequisite: Permission. For non-music majors. May be repeated for credit.

MUSIC 132—CLASS VOICE. Class 2 hours, practice 1 hour per day, credit 2 hours. Prerequisite: Permission. Beginning Voice.

MUSIC 142—CLASS VOICE. Class 2 hours, practice 1 hour per day, credit 2 hours. Prerequisite: Music 132 or equivalent. Beginning Voice. A continuation of Music 132.

MUSIC 242—VOICE. Two thirty-minute individual lessons per week, practice two hours per day, credit 2 hours. Open only to music majors. May be repeated for credit.

MUSIC 241—VOICE. One thirty-minute individual lesson per week, practice one hour per day, credit 1 hour. Prerequisite: Permission. For non-music majors. May be repeated for credit.

MUSIC 252—INDIVIDUAL INSTRUMENT LESSONS. 2 thirty-minute lessons per week, practice 2 hours per day, credit 2 hours. Prerequisite: Permission. For music majors only. This is not a beginners courses. May be repeated for credit.

MUSIC 251—INSTRUMENT LESSON. 1 thirty-minute lesson per week, practice 1 hour per day, credit 1 hour. Prerequisite: permission. For non-music majors. Not a beginners course. May be repeated for credit.

MUSIC 111—MIXED CHORUS. Class 2 hours, credit 1 hour. May be repeated for credit.

MUSIC 151—BAND. Class 3 hours, credit 1 hour. May be repeated for credit.

MUSIC 010—CONCERT AND RECITAL ATTENDANCE. Zero credit. Each semester. A required course for music majors; not open to others. Each semester the music faculty will set up a list of concerts and recitals occurring in the Lawton area during that semester and music majors must have a 75% attendance each semester in residence to qualify for graduation

PHYSICAL EDUCATION DEPARTMENT

Charlie Dean
Val Maples

Gerald Stockton
Leroy Montgomery

Objectives

1. To provide basic courses in physical education that meet the requirements for a degree program.
2. To provide opportunities for students to develop physical fitness.
3. To provide a program of games and other types of physical recreation for all students.

PHYSICAL EDUCATION COURSES

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

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.

PHYSICAL EDUCATION 111—Class 2 hours, credit 1 hour. For first semester freshmen. Gymnastics, calisthenics, games.

PHYSICAL EDUCATION 121—Class 2 hours, credit 1 hour. For second semester freshmen A continuation of Physical Education 111.

PHYSICAL EDUCATION 211—Class 2 hours, credit 1 hour. For women only. Fundamentals of bowling for those who desire it. The students must pay for alley use. A second section will consist of group games such as softball, volley ball, badminton, and baseball.

PHYSICAL EDUCATION 221—Class 2 hours, credit 1 hour. For women only. Either advanced bowling or the fundamentals of tennis and golf according to the desires of the student.

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.



PHYSICAL SCIENCE DEPARTMENT

Millard Carter
Albert J. Copley
Thelma Seals

N. L. Tinsley
Dorothy Tobias

Objectives

Recognizing the need of the individual in the modern world to have at least an awareness of the world of science in which he lives, the objectives of the physical science courses are as follows:

1. to provide the student with enough basic scientific knowledge that he may have an understanding of the fundamental theories of physical science;
2. to provide the student with an appreciation of the role which particular fields of physical science play in influencing his life;
3. to provide necessary foundation in advanced course for the students who will continue in higher education;
4. to provide an opportunity for students to conduct laboratory experiments to verify and test some of the fundamental laws of physical science;
5. to conduct each physical science course so that it conditions the behavior of those who study it by developing such desirable habits and attitudes as systematic thinking, scientific curiosity and imaginative interests.

PHYSICAL SCIENCE COURSES

CHEMISTRY 114—GENERAL CHEMISTRY. First semester. Class 3 hours, laboratory 3 hours, credit 4 hours. Prerequisite: H.S. Algebra I.



SOCIAL SCIENCE

Helen Elliott
R. Halliburton, Jr.
A. L. Jackson

Rodney Mitchell
Gerald Stockton
Frances Wright

The Social Science courses offered by Camerson State Agricultural College include the disciplines of Economics, Geography, Government, History, Psychology, and Sociology.

Objectives

1. To develop that understanding of the social processes which will enable more individuals to intelligently exercise their privileges and responsibilities of democratic citizenship.
2. To develop a broad acquaintance in the Social Sciences which will allow the student to appreciate the interrelated nature of these disciplines.
3. To instill an appreciation of our cultural heritage, including an understanding of the problems and responsibilities of citizenship and preparation for effective participation in democratic processes.
4. To develop a basic knowledge of factual information without which no interpretation or evaluation is possible.
5. To prepare students for advanced study in the various areas of the Social Sciences.

SOCIAL SCIENCE COURSES

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

ECONOMICS 223—PRINCIPLES OF ECONOMICS. Second semester. Class 3 hours, credit 3 hours. A continuation of Economics 213. Monetary system; principles involved in problems of taxation, transportation, labor, tariffs, and foreign exchange.

GEOGRAPHY 213—PRINCIPLES OF GEOGRAPHY. Second 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 other environmental factors in the production, distribution, and consumption of commodities.

GOVERNMENT 213—FEDERAL GOVERNMENT. Each semester. Class 3 hours, credit 3 hours. A general introduction to the political institutions of the United States with emphasis on their evolution, structure, and functions.

GOVERNMENT 223—STATE GOVERNMENT. Second semester. Class 3 hours, credit 3 hours. Prerequisite: Govt. 213. A study of the various political units below the national government with emphasis on their functions within the framework of federal relationships.

HISTORY 112—OKLAHOMA HISTORY AND GOVERNMENT. Each semester. Class 2 hours, credit 2 hours. A survey of Oklahoma's development from the time of the discovery of America to the present. (Meets the requirements for state teachers' certification.)

HISTORY 143—EUROPEAN HISTORY. First semester. Class 3 hours. Credit 3 hours. Prerequisite: Sophomore standing or permission. A survey of European civilization from 1500 to 1815.

HISTORY 153—HISTORY OF MODERN EUROPE. Second semester. Class 3 hours, credit 3 hours. Prerequisite: Sophomore standing or permission. The cultural and institutional developments of the nations of Europe from 1815 to the present times.

HISTORY 213—HISTORY OF THE UNITED STATES. Each semester. Class 3 hours, credit 3 hours. Introductory survey from European background through the Civil War - 1492 to 1865.

HISTORY 223—HISTORY OF THE UNITED STATES. Each semester. Class 3 hours, Credit 3 hours. A description of the development of the United States from 1865 to the present time.

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.

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 poverty, disease, crime, marriage and the family, health, government, religion, national security and the tradition of civil liberties.



DEPARTMENT OF BUSINESS

Blanche Beavers

Frances Burk

Objectives

Designed to aid students in selecting programs of study leading to a degree in business, and provide practical course work for two-year students, the Department of Business lists the following objectives:

1. To provide college and university parallel courses in the field of business.
2. To provide two-year programs for general business and secretarial administration for students who wish to complete the Associate Degree in Business, and do not plan to attend four-year colleges.
3. To provide an educational program for the employed and other persons who wish to continue their education by attending evening classes.

COMMUNITY SERVICE AND CO-OPERATION WITH BUSINESS

The splendid co-operation of business and professional organizations in the Cameron College area makes it possible for business students to render a community service while they supplement their business training with work experience. An increasing number of firms look to the Cameron college Business Department when in need of office employees. The on-the-job experiences provided by Lawton business and professional men are invaluable in the development of vocational competency.

BUSINESS COURSES

ACCOUNTING 213—ELEMENTS OF ACCOUNTING. For sophomores. Class 3 hours, laboratory 2 hours, credit 3 hours. Basic principles of accounting, including use of journals, ledgers, controlling accounts, work sheets, and financial statements.

ACCOUNTING 223—ELEMENTS OF ACCOUNTING. Prerequisite: Accounting 213. Lecture 3 hours, laboratory 2 hours, credit 3 hours. Continuation of theory presented in Accounting 213 with special emphasis on partnerships, corporation, bonds, sinking funds, reserve, depreciation and problems of valuation.

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 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. Prerequisite: 6 hours of freshmen English or the equivalent. Physical make-up and format of business letters; managerial approach with emphasis being placed on the internal structure of letters, simpler type of letters—inquiries, replies, commendation and acknowledgment.

BUSINESS COMMUNICATION 223. Second semester. Class 3 hours, credit 3 hours. Continuation of Business Communications 213 with emphasis on specialized types of business letters: Business promotion letters, sales letters; credit and collection correspondence. Technique of report writing including the writing of a business report which provides for library research.

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.

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 ADMINISTRATION 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 ADMINISTRATION 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 student presenting two years of high school shorthand. Speed requirement 80 words.

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

SECRETARIAL ADMINISTRATION 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.

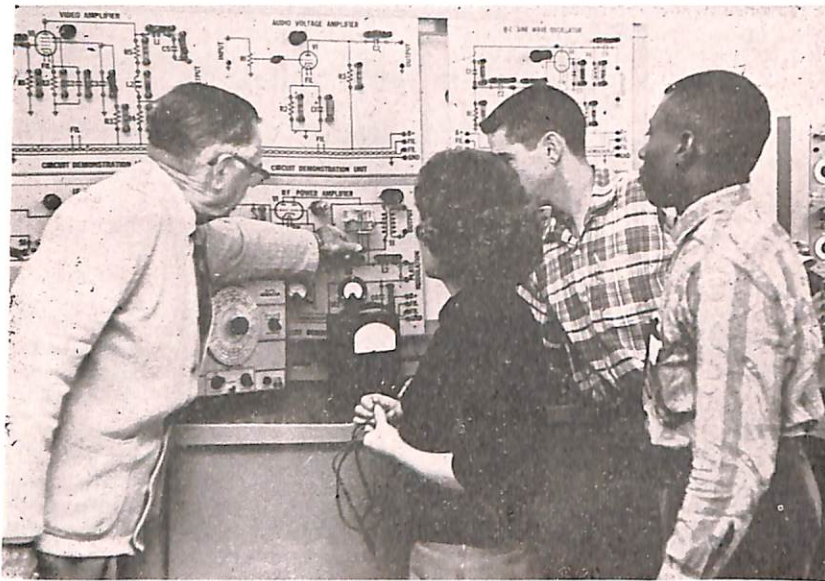
SECRETARIAL ADMINISTRATION 214—DICTATION. Beginners' Dictation. Class 4 hours, credit 4 hours. Prerequisite: Typewriting 133, Secretarial Training 123 (Shorthand). Greater emphasis on transcription and dictation. Speed 90 to 100 per minute.

ADVANCED DICTATION 223. Class 3 hours, credit 3 hours. Prerequisite: Dictation 214 and Transcription 202. Dictation for the purpose of developing skill in transcription and speed in dictation. Technical dictation of a varied nature. Speed 110 to 130.

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 DEPARTMENT

Millard Carter
Arthur Hardwick

Malcom Oswalt
N.L. Tinsley

The Engineering Department 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.

Objectives

1. Provide the necessary training needed in the first two years of study leading to a B. S. degree in any of the branches of Engineering.
2. Provide the first two years of training in Industrial Arts for those wishing to complete a B. A. degree in Industrial Arts.
3. Provide some training in drafting, machine shop practice, welding, and woodworking for those who wish to obtain experience in work of this nature and who plan to use this training either for employment in Industry or as a vocation.
4. Provide for both transfer and terminal students a general education program with emphasis on Mathematics, Science, and the use of English.
5. Provide technical training in electronics and drafting for those students who are interested in employment in industry but do not wish to continue a four year program.

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.

DRAWING 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.

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

DRAWING 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. To generation and classification of lines and surfaces; tangent planes to surface; plane sections, intersection and development.

MATHEMATICS 165—COLLEGE ALGEBRA AND TRIGONOMETRY. Either semester. Class 5 hours, Credit 5 hours. Prerequisite: Math 143 or equivalent, one year of plane geometry, high school trigonometry. A minimum score of 17 on ACT mathematics test. An integrated course in College Algebra and Trigonometry.

MATHEMATICS 205—ANALYTIC GEOMETRY AND CALCULUS. Either semester. Class 5 hours, Credit 5 hours. Prerequisite: Math 173 and 183 (or 165). An integrated treatment of analytic geometry and the calculus.

MATHEMATICS 225—ANALYTIC GEOMETRY AND CALCULUS. Either semester. Class 5 hours, Credit 5 hours. Prerequisite: Math 205. A continuation of Mathematics 205.

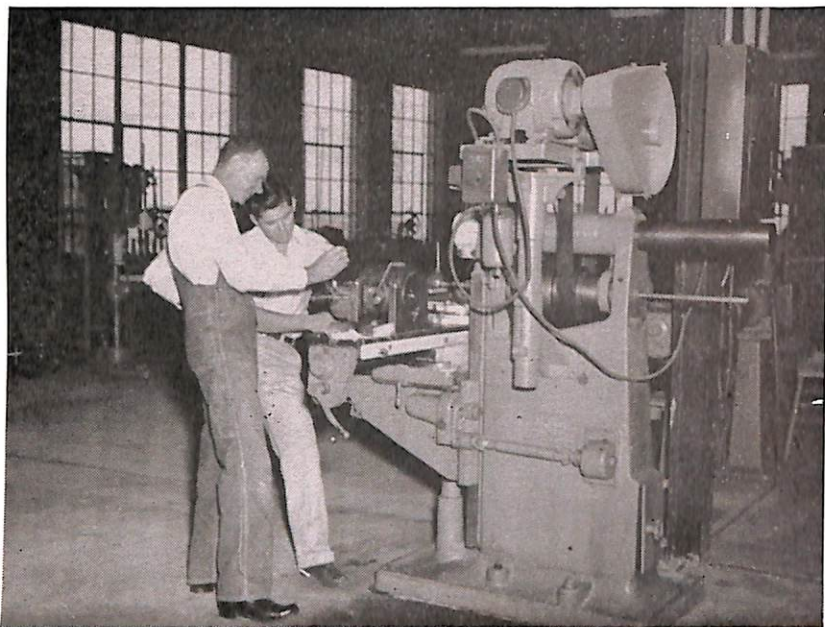
MATHEMATICS 233—DIFFERENTIAL EQUATIONS. Second semester. Class 3 hours, Credit 3 hours. Prerequisite: Math 224 (or 225). Ordinary differential equations, solution in series, and the Laplace transform theory. Applications.

PHYSIC 215—GENERAL PHYSICS. Class 4 hours, Laboratory 3 hours, Credit 5 hours. Prerequisite: enrollment in Math 165. A course in college physics including mechanics, heat, and sound.

PHYSICS 224—GENERAL PHYSICS. Class 3 hours, Laboratory 3 hours, Credit 4 hours. Prerequisite: Physics 215 or equivalent. Second course in college physics including electricity and light.

PHYSICS 223—MODERN PHYSICS. Class 2 hours, Laboratory 3 hours, Credit 3 hours. A course in atomic, nuclear and solid state physics.

CHEMISTRY 223—ANALYTICAL CHEMISTRY FOR ENGINEERS. Second semester. Class 1 hour, Laboratory 4 hours, Credit 3 hours. Prerequisite: Chemistry 115 or its equivalent. Qualitative and quantitative methods of analysis for engineers. Credit will be granted only in Chemistry 222 or Chemistry 223.



INDUSTRIAL ARTS DEPARTMENT

Malcom Oswalt

Ralph M. Hunter, Jr.

Objectives

1. The courses are so arranged that the persons majoring or minoring in Industrial Arts may, upon graduation be admitted to the junior years work in a senior college.
2. The courses offered, such as those in welding, woodworking, drafting, machine shop, carpentry and crafts are of such practical nature that the skills and knowledge acquired will serve as a basic for the skill trades or for a hobby.
3. Courses such as pattern making, drafting, machine shop practices and

welding serves as requirements for some of the Engineering students who will transfer to other colleges.

INDUSTRIAL ARTS COURSES

SHOP 112—GENERAL SHOP. Second semester. Class 1 hour, laboratory 3 hours, credit 2 hours. Offered for Industrial Arts majors who plan to teach General Shop in Junior High for the purpose of exploring the different industrial fields such as: Drawing and Planning, Woodworking, Metalworking, Electricity, Plastics, Leather and Craft, Home Maintenance, and Ceramics. Equally useful to those interested in home maintenance, Arts and Crafts, Occupational Therapy, Hobby groups, and Home Craftsmanship.

SHOP 113—BENCH WOODWORK. First semester. Class 1 hour, 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 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 1 hour, laboratory 6 hours, credit 3 hours. Prerequisite: Shop 113 or equivalent. A beginning course in machine woodworking. Required of Industrial Arts students.

SHOP 222—CARE OF SHOP EQUIPMENT. First semester. Class 1 hour, laboratory 2 hours, credit 2 hours. 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. Class 1 hour, laboratory 2 hours, credit 1 hour. Theory and practice in metal working. Includes both bench work and metal lathe work.

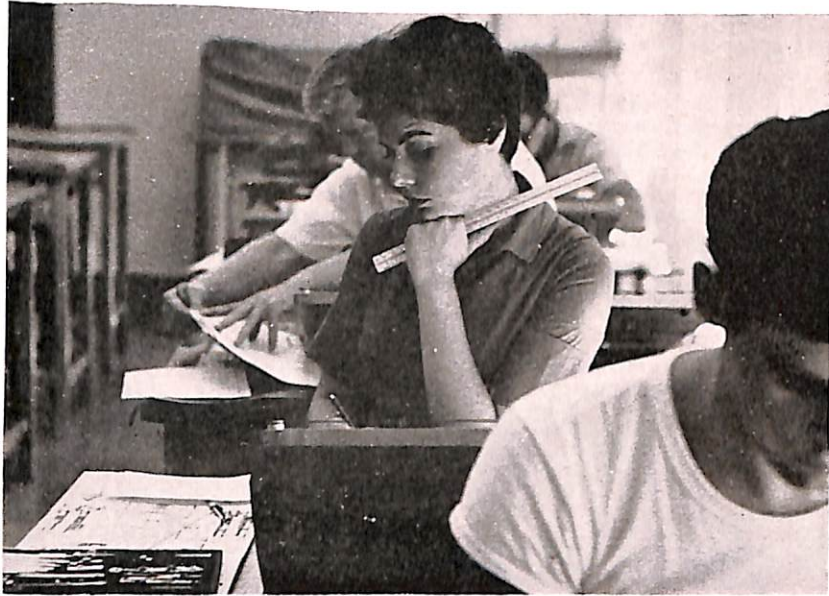
SHOP 253—INTERNAL COMBUSTION ENGINES. Class 1 hour, laboratory 4 hours, credit 3 hours. Understanding the construction, operation, and fundamental maintenance of the internal combustion engine.

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 272—ACETYLENE WELDING. Either semester. Class 1 hour, laboratory 2 hours, credit 2 hours. A beginning course in welding, brazing, and cutting of metals.

SHOP 282—MANUAL ELECTRIC WELDING. Class 1 hour, laboratory 2 hours, credit 2 hours. Arc Welding. Practice in welding all types of joints, in all positions, as is used in fabrication of steel structures.

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



TECHNICAL EDUCATION DEPARTMENT

Arthur Hardwick

N. L. Tinsley

Objectives

1. To provide the range and level of attainment expected of the student when he completes the technical curriculum, in terms of knowledge, understanding, technical skills, manipulative skills, attitudes and appreciation, should be clearly understood and defined before he enters his technical field.
2. To provide courses that are designed to develop technical understanding and technical skills.
3. To provide an understanding of how to develop the ability of the technician so that it will be in accordance with good engineering practices.
4. To provide planned exercises or experiments using technical equipment to better understand the function of the technician.
5. To provide the related mathematics and science that has been derived from an analysis of the mathematics and scientific application found in the performance of the technician.
6. To provide the knowledge and skills needed by the worker as a citizen in a democracy as well as a citizen in an industrial work situation.

TECHNICAL COURSES

DRAWING 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.

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

DRAWING 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. To generation and classification of lines and surfaces; tangent planes to surface; plane sections, intersection and development.

DRAWING 132—FREE HAND DRAWING. Laboratory 4 hours, credit 2 hours. Methods of presenting ideas for either a simple or complex design through the medium of freehand sketching, that is applied in engineering.

DRAWING 152—GRAPHIC ANALYSIS. Class 1 hour, laboratory 3 hours, credit 2 hours. Layout methods used in pattern and template work. Graphs, charts, and plots with introduction to descriptive geometry and graphic calculus.

DRAWING 213—ARCHITECTURAL DESIGN. Class 1 hour, laboratory 4 hours, credit 3 hours. Prerequisite: Drawing 122. The study and development of plans and details that are devoted to the representation of buildings and similar structures.

DRAWING 224—ARCHITECTURAL DESIGN. Class 1 hour, laboratory 6 hours, credit 4 hours. Prerequisite: Drawing 213. The study of design and engineering features of building construction which have an important bearing on the safety, durability, comfort, etc. of buildings and similar structures.

DRAWING 233—MACHINE DESIGN. Class 1 hour, laboratory 4 hours, credit 3 hours. Prerequisite: Drawing 122. The study of the basic machine parts and understanding the reasons for using the particular elements, parts, details that go to make up the machine.

DRAWING 244—MACHINE DESIGN. Class 1 hour, laboratory 6 hours, credit 4 hours. Prerequisite: Drawing 233. The designing of machinery that is composed of a combination of certain machine elements and the solution of the problems of transmitting power by utilizing machine elements such as gears, pulleys, cams, machine bearings, etc.

DRAWING 253—STRUCTURAL DESIGN. Class 1 hour, laboratory 4 hours, credit 3 hours. Prerequisite: Drawing 122. The study of structural designs, details and methods of presentation of structural details that are generally standardized for purpose of construction of buildings.

DRAWING 264—STRUCTURAL DESIGN. Class 1 hour, laboratory 6 hours, credit 4 hours. Prerequisite: Drawing 253. Structural design as concerned with three basic phases. (1) Analysis (The determination of size and function of parts), (2) Design (Having to do with the arrangement of structural parts), (3) The preparation of working drawings.

DRAWING 273—INDUSTRIAL ILLUSTRATION. Class 1 hour, laboratory 4 hours, credit 4 hours. Prerequisite: Drawing 122. The study of the basic procedures used by industry to make three dimensional drawing. Drawings devoted to the actual industrial methods and problems for a better understanding of industrial needs.

ELECT 115—DIRECT CURRENT ELECTRICITY. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Enrollment in algebra 173 and Trigonometry 183. Basic physics of the electron and direct current circuits. Use of meters in measurement of voltage, current, resistance and power. Understanding of direct current generators and motors and their controls.

ELECT. 125—BASIC ELECTRONICS. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Direct Current Electricity 115. Introduction to technical concepts of electronic components and circuits. Principles of vacuum tubes and transistors: basic circuits for power supplies, amplifiers, and oscillators.

ELECT. 135—ALTERNATING CURRENT ELECTRICITY. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Enrollment in Mathematics Applied 1T4. Characteristics of alternating current waves; study of phase and power factor; power measurement in delta and wye connected systems: application of vector algebra in analysis of series and parallel combinations of impedance.

ELECT. 222—CIRCUIT TRACING. Class 1 hour, laboratory 3 hours, credit 2 hours. Prerequisite: Basic Electronics 125. Problems in circuit design involving switches, relays, and electronic components. Concentration on schematic representation of electronic equipment apart from the specific characteristics of each component.

ELECT. 235—ELECTRONIC CIRCUIT DESIGN AND ANALYSIS. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Basic Electronics 125. Acoustics and electro-acoustic devices. Sound recording. Design and testing of voltage and power amplifiers. Inverse feedback transistor amplifiers. Computer circuits. A composite course covering several applications of electronics.

ELECT. 242—SPECIAL PROBLEMS. Class 0 hours, laboratory 6 hours, credit 2 hours. Individual assignment to the development of apparatus of special interest to the student with instructor's approval. A written report of work will be made.

ELECT. 245—TRANSMITTER THEORY AND OPERATION. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Basic Electronics 125. Amplitude modulation and frequency modulation. Radio frequency oscillators and power amplifiers, antennas, modulators, and radio frequency measurements. Requirements for government radio operators licenses.

ELECT. 255—ULTRA HIGH FREQUENCIES AND MICRO-WAVES. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Basic Electronics 125. Principles of radar and microwave systems.

ELECT. 265—INDUSTRIAL ELECTRONICS. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Basic Electronics 125. Applications in the field of industrial control automation: Combining electrical, electronic, magnetic and mechanical principles.

ELECT. 275—TELEVISION CIRCUITS. Class 3 hours, laboratory 6 hours, credit 5 hours. Prerequisite: Transmitter Theory and Operation 245. Principles of television transmission and reception, with emphasis on circuits for pulse shaping that are used in other electronic applications. Picture scanning and synchronization. Video amplifiers. Color television and industrial closed circuit systems. Emphasis of course on circuit analysis and behavior of wave shaping circuits and not T. V. servicing.

SHOP 111—SHOP PROCESSES. Class 1 hour, laboratory 2 hours, credit 1 hour. Develop information and practice in the use of hand tools, machine tools and equipment which will be encountered in work as a technician.



HOME ECONOMICS DEPARTMENT

Mary Louise Wolverton

The curriculum of the Department of Home Economics is planned to prepare women and men for homemaking and for professions related to home and family living.

It is designed for the purpose of contributing to the education for home and family life of men and women enrolled in other schools and departments as well as those majoring in Home Economics.

Objectives

In order to meet these goals the curriculum is planned for four classes of students:

1. Students who wish to prepare for teaching general or Vocational homemaking in high school, 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 demonstration work, home service work, and merchandising.
3. Students majoring in other divisions who want some education for home and family life.
4. Students who plan to stay in college two years and are interested in a terminal program combining Home Economics with job opportunities in business.

HOME ECONOMICS COURSES

ART 113—FUNDAMENTALS OF ART. Class 1 hour, laboratory 6

hours, credit 3 hours. A foundation course in drawing; introduction to essentials of freehand drawing; original still-life studies in charcoal and water color.

ART 212—ART APPRECIATION. Each semester. Class 2 hours, credit 2 hours. Concerning arts of painting, sculpture, architecture, graphic, the minor and industrial arts.

H. A. 113—CLOTHING SELECTION AND CONSTRUCTION. Class 1 hour, laboratory 5 hours, credit 3 hours. Clothing construction, the problems suited to individual needs, abilities and interest. Emphasis is placed on new sewing techniques, flat-pattern alterations, fitting principles, selection of appropriate fabrics and designs, wardrobe planning and care of clothing. The spring fashion show gives each student modeling experience.

H. A. 132—TEXTILE PURCHASING AND CARE. Class 2 hours, credit 2 hours. Textile fibers, yarns, construction, and finishes; their properties, use and care.

H. A. 223—ADVANCED CLOTHING CONSTRUCTION. Class 1 hour, laboratory 5 hours, credit 3 hours. Prerequisite: Clothing 113. Original clothing design and construction using the flat-pattern construction by draping and pattern designing from historic costume.

H. A. 234—HOUSE PLANNING AND DECORATION. Class 2 hours, laboratory 4 hours, credit 4 hours. Prerequisite: Art 113-212 or permission. Planning, furnishing and decorating the contemporary house from the standpoint of family needs. A brief study is made of period furniture and architecture.

H. E. E. 213—CONSUMER PROBLEMS. Class 3 hours, credit 3 hours. A study of basic consumer problems encountered by the individual and family today, the place of the consumer in our society, and the management of money, time and energy as it relates to home, family and community life. For majors and non-majors — men and women.

H. S. 152—PERSONAL AND FAMILY HEALTH. Class 2 hours, credit 2 hours. Personal health and nutrition, hygiene, first aid and home nursing. For majors and non-majors, men and women.

H. L. 113—PERSONAL, HOME AND FAMILY RELATIONS. Class 3 hours, credit 3 hours. A marriage course including the study of human development, behavior, and relationships in our society with emphasis on the social and emotional needs of the student.

H. L. 212—CHILD CARE. Class 2 hours, credit 2 hours. The intellectual, physical, social and emotional development of the child from infancy through adolescence. Directed observation and analysis of pre-school children.

H. S. 113—FOOD PREPARATION AND ELEMENTARY NUTRITION. Class 1 hour, laboratory 4 hours, credit 3 hours. Fundamentals of nutrition. Practical experience in the preparation and preservation of foods to retain maximum nutritive value, to increase palatability and to assure attractive appearance.

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 experience in planning, marketing, preparing and serving various types of meals; parties, coffees, teas, breakfasts, luncheons and dinners. Emphasis is placed on the planning of nutritionally adequate meals for the family. It includes table service, table etiquette, table settings and decorations.

MILITARY DEPARTMENT

Army Reserve Officers Training Corps (ROTC)



The Cadet Corps Color Guard — National & State Colors

MILITARY DEPARTMENT

Lt. Col. Elton W. Duren
 Capt. Donald L. Means
 Capt. Michael D. Macomber

M/Sgt. David J. Schuler
 Sgt. Larry E. Howell
 Cpl. Kermit D. Arthur

OBJECTIVES OF THE MILITARY DEPARTMENT

1. To present to every student enrolled in ROTC a two-year course in Military education designed to develop individual character and self-discipline, strengthen the foundation of intelligent citizenship, and give training in basic military subjects that will be of future benefit to those who will serve in the Armed Forces.
2. To motivate the ROTC student for future Military service.
3. To prepare the ROTC student for acceptance into the Advanced ROTC Program, with subsequent commissioning as an Officer in the U. S. Army.
4. To provide opportunities for students to develop physical fitness.

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 military instruction. The Basic Course (First two years) only is presented.

Basic Course

All male students entering the College must enroll in military science unless exempt as hereinafter provided. To obtain such exemption a student must file a written request with the registrar giving all information concerning his case. Students who meet one of the following conditions may be exempt from all or part of the required four semesters of military science: (a) students who have at least six months of active basic training are exempt from all basic military requirements (b) physical disability (Only the college physician can grant approval on this.) (c) night or part-time student status, only so long as such status exists (d) students over 23 year of age on or before the date of their first enrollment at Cameron (e) students who transfer from colleges where ROTC is not taught will substitute physical education for the ROTC requirement during those semesters when the student was not enrolled at Cameron.

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.

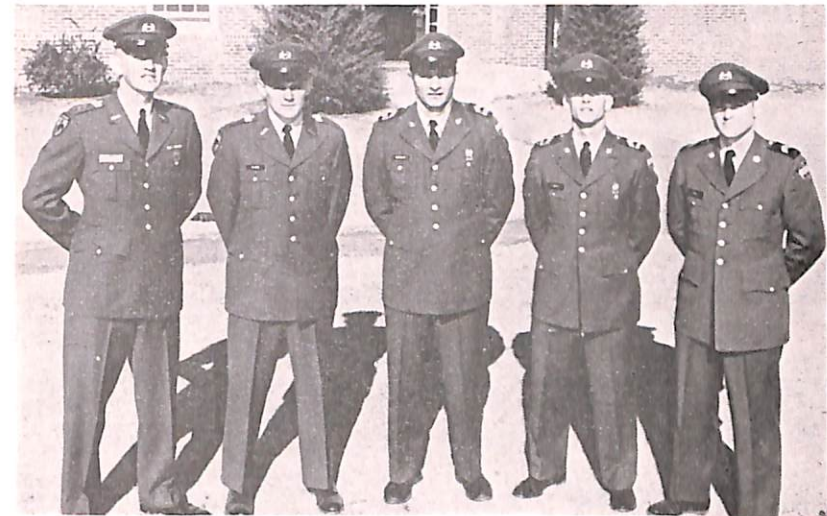
The final grade in basic course will be lowered one-half of one per cent for each unremoved demerit.

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 instill 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 are to be obeyed and respected accordingly.

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



Left to right: Cadet Captain, Cadet 1st Lt., Cadet 1st Sgt., Cadet Sgt., Cadet 1st Class, Cadet Sgt.

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.

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.

RIBBON AND MARKSMANSHIP AWARDS

The CAMERON ROTC ACADEMIC AWARD of a green and gold ribbon is awarded to cadets making the grade of "A" in Military Science for a semester's work. Subsequent award to the same individual shall consist of a bronze star to be affixed to the ribbon.

The CAMERON ROTC LEADERSHIP AWARD of a red ribbon is awarded to cadets each semester who have: Attended a minimum of 12 Leadership Classes, made a grade of "B" or "C" in Military Science and who have no demerits outstanding at the end of the semester. Subsequent award to the same individual shall consist of a bronze star to be affixed to the ribbon.

A marksmanship badge will be awarded to each cadet who qualifies with the Cal. 22 Rifle.

RIFLE TEAM

A small bore (Cal. 22) rifle team is formed each year and participates in several shoulder-to-shoulder matches at home and away with teams from the Lawton-Ft. Sill area and other nearby colleges. Numerous postal matches are fired. The College letter "O" is awarded to members who fulfill certain requirements.



The ROTC Rifle Team prepare to fire a match. This team won the NCJAA National smallbore championship this year.

DRILL TEAM AND BAND

The ROTC Drill Team and Band are formed early in the school year and participate during athletic events, parades in the city of Lawton and on other special occasions. The College provides certain special items of wearing apparel and distinctive insignia.



The ROTC Drill Team and Band ready for parade

MILITARY BALL - HONORS DAY

The annual Military Ball is held during the spring. All cadets are urged to attend. Military awards described in the front part of the Catalogue are presented on Honors Day.



The happy and deserving winners of the Military Awards

MILITARY COURSES

MILITARY SCIENCE 112—ORGANIZATION OF THE ARMY AND ROTC; INDIVIDUAL WEAPONS AND MARKSMANSHIP; U. S. ARMY AND NATIONAL SECURITY. Class and Leadership laboratory (drill) 5 hours, credit 2 hours. Provides a basic understanding of the ROTC and active Army organization. Gives fundamental training in the techniques of Marksmanship to include: firing of the Caliber .22 rifle; disassembly and assembly, functioning and maintenance of the Caliber .30 M-1 rifle. Safe handling of firearms, and introduction to individual weapons used in the U. S. Army. A general survey of the U. S. Army Reserve and National Guard to include mission and responsibilities of each as a member of the National defense team in war and peace.

MILITARY SCIENCE 212—MAP AND AERIAL PHOTOGRAPH READING. Class and Leadership Laboratory (drill) 5 hours, credit 2 hours. The study and application of principles and techniques of Map and Aerial Photograph reading emphasizing terrain appreciation, symbols and the military grid system.

MILITARY SCIENCE 212—MAP AND AERIAL PHOTOGRAPH READING; U.S. ARMY AND NATIONAL SECURITY. Class and Leadership Laboratory (drill) 5 hours, credit 2 hours. Prerequisite: MS 112 and 122 or equivalent. The study and application of principles and techniques of map and aerial photograph reading emphasizing terrain appreciation, symbols, Military grid systems and classes of Aerial photography. A general survey of the U. S. Army, the U. S. Army Reserve

and National Guard to include mission and responsibilities of each as a member of the National defense team in war and peace.

MILITARY SCIENCE 222—INTRODUCTION TO OPERATIONS AND BASIC TACTICS. Class and Leadership Laboratory (drill) 5 hours, credit 2 hours. Prerequisite: MS 112 and 122 or equivalent. An introduction to the principles and fundamentals of small unit (squad) tactics in offense and defense; organization and equipment of basic combat units; techniques of leadership.

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