

Bulletin of

CAMERON

*State Agricultural
College*

CATALOGUE ISSUE

**ANNOUNCEMENTS
for 1957-58**

Lawton, Oklahoma

Volume 48



BULLETIN OF
CAMERON STATE AGRICULTURAL
COLLEGE

CATALOGUE ISSUE

1956-57



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

Member of the American Association of
Junior Colleges

ANNOUNCEMENTS FOR 1957-58
Lawton, Oklahoma Vol. 48

COLLEGE CALENDAR

FIRST SEMESTER

1957-58

- Sept. 3 Dormitories open at 1 :00 P.M.
- Sept. 4-5-6 Freshman Orientation (Required of all Freshmen)
- Sept. 6 Registration of Sophomores 8 :00 A.M.
- Sept. 9-10 Registration of Freshmen 8:00 A.M.
- Sept. 11 "Y" Mixer 7:00 P.M.
- Sept. 11 Classwork begins 8:00 A.M.
- Sept. 11-12 Night Class Enrollment 7:00 P.M.
- Sept. 20 Last Day for Schedule Changes
- Sept. 30-Oct. 4 Initiation Week for Organizations
- Nov. 7-8 Mid-Term Examinations
- Nov. 27 Thanksgiving Recess begins 5:00 P.M.
- Dec. 2 Classwork resumed 8:00 A.M.
- Dec. 20 Christmas recess begins 5:00 P.M.

1958

- Jan. 6 Classwork resumed 8:00 A.M.
- Jan. 13-14 Night Class Enrollment 7:00 P.M.
- Jan. 21-24 Semester Examinations

SECOND SEMESTER

- Jan. 27-28 Registration 8:00 A.M.
- Jan. 29 Classwork begins 8:00 A.M.
- Feb. 7 Last Day for schedule changes
- Mar. 19-20 Night Class enrollment
- Mar. 27-28 Mid-Term Examinations
- April 4 Mid Semester Recess begins 5:00 P.M.
- April 8 Classwork resumed 8:00 A.M.
- May 21 Honors Day
- May 25 Baccalaureate
- May 27-29 Final Examinations
- May 30 Commencement
- June 2-3 Summer Night Class enrollment

1958-59

- Sept. 2
- Sept. 3-4-5
- Sept. 5
- Sept. 8-9
- Sept. 10
- Sept. 10-11
- Sept. 19
- Sept. 29-Oct. 3
- Nov. 6-7
- Nov. 26
- Dec. 1
- Dec. 19

1959

- Jan. 5
- Jan. 12-13
- Jan. 20-23

- Jan. 26-27
- Jan. 28
- Feb. 6
- Mar. 18-19
- Mar. 26-27
- Mar. 27
- Mar. 31
- May 20
- May 24
- May 26-28
- May 29
- June 1-2



Administration Building

CAMERON STATE AGRICULTURAL COLLEGE

Junior College, Lawton, Oklahoma

5

State of Oklahoma

RAYMOND GARYGovernor

Officers of Administration

CLARENCE L. DAVISPresident
GORDON L. PAINEDean of Administration and Registrar
JAMES TAYLORGuidance Director and Dean of Men
VAL DELORIS MAPLESDean of Women
OSCAR C. ELKINSChief Clerk
ARDA E. FRANSLibrarian
ODETTA DALTON SIMMONSAssistant Chief Clerk
LODELL GOOCHEYSecretary to Dean
JEAN COWLEYSecretary
MRS. C. C. HIGHTOWER, R. N.School Nurse

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

WILLIAM R. WILLIAMS, ChairmanAltus
FRED DRUMMOND, Vice ChairmanHominy
P. E. HARRILL, SecretaryOklahoma City
O. L. LACKEYOkmulgee
EARL RUSSELLDuncan
ELMER HARBERShawnee
RAY T. NALLBoise City
HAROLD HUTTONOklahoma City
R. T. STUARTCaddo
FORREST McINTYRE, Administrative Assistant...Oklahoma City
HELEN SITTEL, Executive SecretaryStillwater

Oklahoma State Regents for Higher Education

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

INSTRUCTIONAL STAFF

CLARENCE L. DAVIS

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

GORDON L. PAINE

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

JAMES TAYLOR

B.S. (Southeastern State College), M.S. (University of Oklahoma),
Director of Guidance and Dean of Men; 1957.

VAL DELORIS MAPLES

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

D. HERSCHEL BOYDSTUN

B.S. (Oklahoma A. & M. College), Graduate study (Oklahoma A. & M.
College); Animal Husbandry; Head of Division of Agriculture; 1950.

WILLIAM J. BECKER

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

BLANCHE BEAVERS

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

N. L. TINSLEY

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

ALLIE D. SWACKHAMMER

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

LIEUTENANT COLONEL SAM J. BRADLEY

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

CLYDE BARBEE

Instructor in Metal Shop and Welding; 1947.

MELVIN L. KEENEY

B.M.E. (Oklahoma A. & M. College), Graduate Study (University of
Michigan), M.M.E. (North Texas State College); Voice, Instrumental
Music, Band, 1954.

*Effective June 1, 1957.

HELEN V. CARNEY

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

MILLARD M. CARTER

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

JANE COTTINGHAM

B.S. (Oklahoma College for Women); Typing, Shorthand; 1956.

BENNE BERNICE DANIEL

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

CHARLIE A. DEAN

B. S. (Midwestern University) ; Physical Education; Assistant Football Coach; Boxing and Baseball Coach; 1955.

I/LT. JEPHTHA W. DALSTON

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

M/SGT. KENNETH F. DENT

Instructor in Military Science; 1955.

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.

ARDA E. FRANS

B.A. in Library Science, M.A. in English (University of Oklahoma). Graduate Study (University of Chicago); Librarian; 1913-15; 1924-27; 1934-39; 1946.

KATHLEEN ANNE HALEY

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

JOHN C. HARMON

B.S. (Southeastern State College), M.S. (North Texas State College); Biology and Bacteriology; 1953; 1957.

JESSIE MAY HINES

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

A. L. JACKSON

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

T. VERLE JONES

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

JENNIE M. O'DONNELL LOWE

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

LEROY MONTGOMERY

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

MALCOM OSWALT

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

TED L. OWENS

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

RUSSELL W. PETERSON

B.A. (University of Minnesota), M.A. (University of Nebraska), M.A. (Middlebury College), Graduate Study (University of Missouri, University of Mexico); Modern Languages, English; 1950.

ROBERT CRAIG PIERSON

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

DONALD PROPHET

B.S., M.S. (Oklahoma A. & M. College); Agronomy; 1947.

M/SGT. HARRY D. RODGERS, Jr.

Instructor in Military Science; 1956.

CAPTAIN JOSEPH L. SOMERS

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

BENNIE WILLIAM STEHR*

B.S. in Educ. (Southwestern State College), M.A. (Peabody), Graduate Study (Colorado State College); Business Administration; 1952.

E. R. THOMPSON

B.S. (Oklahoma A. & M. College); Dairy and Poultry; 1957.

DOROTHY TOBIAS

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

FRANCES WRIGHT

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

Instructor in Chemistry—yet to be selected.

Instructor in Business Administration—yet to be selected.

*On leave of absence during 1957-58.

STANDING COMMITTEES OF FACULTY

ADMINISTRATION: Gordon Paine, Chairman; Blanche Beavers, W. J. Becker, Hehschel Boydston, Allie D. Swackhammer, LeRoy Montgomery, James Taylor, Arda Frans, Lt. Col. Sam J. Bradley.

CURRICULUM: Russell Peterson, Chairman; Dorothy Tobias, Allie D. Swackhammer, Donald Prophet, Millard Carter, Blanche Beavers, Jessie May Hines, Clyde Barbee.

LIBRARY: Arda Frans, Chairman; Francis Wright, T. Verle Jones, Kathleen Haley, John Harmon, E. R. Thompson, Craig Pierson.

STUDENT PERSONNEL SERVICE: James Taylor, Chairman; W. J. Becker, Val Maples, Gordon Paine, A. L. Jackson, Benne Daniel, Helen Carney, Lt. Jephtha Dalston, Melvin Keeney, Russell Peterson, Charles Dean, Bennie Stehr.

INSTITUTIONAL PURPOSES: E. R. Thompson, Chairman; Ted Owens, Helen Elliott, Malcom Oswalt, Bennie Stehr, Jane Lowe.

INSTITUTIONAL STUDY: N. L. Tinsley, Chairman; John Harmon, Jessie May Hines, Malcom Oswalt, Gordon Paine, Donald Prophet, Herschel Boydston, A. L. Jackson, T. Verle Jones, Helen Elliott, LeRoy Montgomery, Jane Cottingham.

GETTING ACQUAINTED WITH THE COLLEGE

PURPOSE OF THE COLLEGE

Cameron State Agricultural College has as its primary function the training of young people in effective citizenship and preparing them to take their places of responsibility in their community. In carrying out this function, the college offers training in the divisions of agriculture, arts and science, shops and engineering, commerce and business administration, home economics, and terminal education.

The courses offered enable the students to qualify themselves for further study in senior colleges, universities, and professional schools. If students choose, they may select work of a terminal nature designed to give them a well-rounded program of general education as well as work in their chosen field of endeavor. For these students who find it inadvisable to continue work beyond the junior college level, some training in occupational fields is offered.

It is the policy of the college to maintain a program that will enable each student to achieve success according to his ambition and ability.

CAMERON'S HISTORY

The history of Cameron corresponds to the history of the territory which it serves; its swift growth has been supplemented by sturdiness and vigor.

Established as one of the six secondary agricultural schools by Oklahoma's first legislature on May 20, 1908, the school, then known as Cameron State School of Agriculture, was temporarily housed in the basement of a downtown Lawton business building. In September, 1909, one hundred and eight students enrolled with a faculty consisting of six members.

Realizing the need of a school of this kind in this section of the country, an association of business men, headed by the Lawton Chamber of Commerce, purchased 160 acres of land two miles west of the city and presented it to the state as an inducement to locate the school here. On a favorable building site on this ground was erected a three-story brick building, and into this building the institution was moved in December 1910. The name "Cameron" was given the school as a mark of respect to E. D. Cameron, an early Oklahoma State Superintendent of Schools.

On March 24, 1927, the state legislature changed the name of the school to Cameron State Agricultural College and authorized the establishment of the first two years of college work. During the period 1927 to 1940 both college and high school courses were offered, with the first junior college graduation occurring in the spring of 1929.

In the fall of 1940 all high school work was dropped and Cameron assumed its present status of a two-year Junior College.

ADVANTAGES OF ATTENDING CAMERON

LOCATION AND ENVIRONMENT—Cameron State Agricultural College campus is located in the western edge of Lawton. This city of approximately 55,000 people is located in southwestern Oklahoma, about one hundred miles southwest of Oklahoma City. The area is surrounded with pastures filled with purebred cattle and with abundant fields of wheat.

Historic Fort Sill is located just north of Lawton and the Wichita Mountains Wildlife Refuge offers many recreational opportunities for the student to enjoy hiking and outings in the mountains.

Lawton is a stable, prosperous city, supported by both agriculture and industry. It offers the student additional opportunities to hear many leaders in music and the arts, and to participate in church and other activities.

CLOSE ASSOCIATION WITH INSTRUCTORS—Because of the smaller enrollment at Cameron as compared with the majority of senior colleges, it is possible for the student to know each member of the faculty personally. Thus he has the constant influence of his instructors and an opportunity to receive personal and immediate help at a time in life when he needs it most.

LEADERSHIP—The student, while doing his first two years' work in a junior college, is an upper classman. He has opportunities for leadership and is not engulfed by the crowded conditions experienced in the student body of the senior college.

PREPARATION FOR HIGHER LEARNING—The student may take two years of college work which will adequately prepare him for the upper division specifications in the senior colleges.

TERMINAL FUNCTION—Junior college training gives preparation by vocational courses for special occupations on the semi-professional level enabling the students who finish them to fill their place in a definite life occupation.

BUILDINGS AND FACILITIES

THE COLLEGE LIBRARY, which has a capacity of 15,000 volumes, now houses a general collection of over 9,000 books, numerous pamphlets and government documents. Located in the south wing of the Administration Building, it has a reading room capable of seating a hundred persons, two floors of stacks, a room for the processing of books, and an office. It receives ninety periodicals and five daily newspapers.

In accordance with modern library practice the books are arranged on the open shelf plan which enables students to browse at will and thus become acquainted with the entire collection.

THE ADMINISTRATION BUILDING, constructed in 1929, is a modern three-story fireproof structure located in the center of the campus. It is occupied by class rooms, the physics laboratories, and faculty offices. The administrative offices are in the library wing of the Administration Building.

SCIENCE-HOME ECONOMICS BUILDING is a modern two-story fire-proof building housing the Division of Home Economics and the de-

partments of chemistry and biological science. It was completed in the spring of 1952 and is located immediately west of the Library.

THE COLLEGE AUDITORIUM AND MUSIC CLASSROOM BUILDING, a modern two story fireproof structure, was completed in the spring of 1953. The auditorium, seating 800, is modern in every respect including air-conditioning. The classroom wing contains music classrooms, practice rooms, and a band room.

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

THE GYMNASIUM. In March 1957 a long needed new 100' by 110' modern Physical Education Building was opened for the first time. Of brick, concrete and steel construction, this building has a seating capacity of 1800, all individual opera type seats.

It contains a large basketball court, room for boxing, boys' and girls' dressing rooms, various store rooms for athletic equipment, and offices for the Physical Education staff as well as three large classrooms.

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

NORTH AND SOUTH HALLS, two-story brick dormitories, accommodate one hundred and eighty men.

CAMERON HALL, a two-story modern brick structure, is a dormitory housing one hundred young women.

WEST HALL, a two-story brick dormitory, accommodates eighty men.

VET VILLAGE, situated on the southeast edge of the campus, has twenty apartments for housing married students.

THE COLLEGE CAFETERIA, located in the east wing of Cameron Hall, has a seating capacity of three hundred. Organization banquets and student social functions are held there.

JED JOHNSON HALL, a one-story native stone building erected by the National Youth Administration on a site west of the Administration Building, contains seven apartments.

THE COLLEGE INFIRMARY, located just west of Cameron Hall, is a modern fifteen-bed infirmary, complete with examination room, and office for the school nurse.

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

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

SERVICES AND EXPENSES TO STUDENTS

COUNSELLING AND GUIDANCE

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

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

SCHOOL SCHOLARSHIPS

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

REHABILITATION SCHOLARSHIPS

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

STUDENT EMPLOYMENT

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

Numerous citizens of Lawton employ Cameron students on a part-time basis about their homes and various businesses. It is possible for most students needing financial assistance to obtain some work either at

the college or in the city of Lawton. Every effort is made to find places and systematize the assigning of students jobs so that the largest possible number of students can be helped.

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

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

STUDENT LOAN FUNDS

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

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

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

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

FEES AND EXPENSES

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

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

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

GENERAL FEES:

Regular Semesters	per hour \$ 3.25
	Maximum \$39.00

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

NON-RESIDENT FEES:

Regular Semester	\$84.00
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All except bona fide residents of Oklahoma must pay a non-resident fee in addition to the other fees.

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

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

NIGHT CLASSES:

Courses that are primarily lecture	Per semester hour \$ 6.00
Shop and courses primarily laboratory	Per course \$30.00
Courses regularly offered will be offered as night classes provided sufficient enrollment is obtained.	

SPECIAL SERVICES FEES:

Late enrollment fee (dependent on number of days late)	\$1 to \$4.00
Add Fee (Effective the eleventh day of each semester)50
Drop Fee (Effective the eleventh day of each semester)50
Auditing Fee	Per semester hour 1.00
Graduation Fee	6.00
Transcript (After first copy)	1.00
The following refund policy has been established, applicable to general fees, when a student withdraws from school.	
Those who withdraw first two weeks	80% refund
Withdraw 3rd and 4th weeks	50% refund
Withdraw 5th and 6th weeks	25% refund
Thereafter	No refund
Night classes	No refund
Individual classes	No refund

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

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

Room rent (per semester) approximately	\$ 56.00
Board (per semester), meals five days per week	\$128.00
Board (per semester), meals seven days per week	\$152.00

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

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

A five dollar (\$5.00) deposit is required for room reservations. If the student finds that he will be unable to attend school, a refund will be made provided notification is given prior to a two weeks' period before school starts. The five dollars (\$5.00) deposit or trust fund, less actual loss or breakage caused by the student will be refunded at the end of the school year. Two students are assigned to each room. Each must furnish his or her own linens, towels, pillows, and blankets. Beds are twin-beds size.

REGULATION 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. The students are required to select from such list in consultation with the Dean.

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

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.

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 regulation.

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

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

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



STUDENT ACTIVITIES

EXTRA-CURRICULAR ACTIVITIES

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

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

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

ATHLETICS—Cameron is a member of the Oklahoma Junior College Conference participating in football, basketball and track. In addition there is a well-rounded intramural sports program for those who are not on the varsity teams yet who want to participate in athletics.

GIRL'S DRILL TEAM—Originally formed in 1953, the Girl's Drill Team is composed of young women who present skilled entertainment for athletic events, etc. The members of the team are carefully selected from those girls of the college who seek membership in the organization. A member is selected for rhythm, personality, physical attractiveness and appearance, dependability, cooperativeness, as well as her adeptness to learn precision and drill formation.

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

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

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

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

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

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

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

STUDENT ORGANIZATIONS

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

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

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

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

Departmental Clubs:

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

Religious Organizations:

Baptist Student Union
Student Christian Association
Church of Christ Bible Chair

CLUB SPONSORS—Each club and student organization must select

one or more faculty members as their sponsor to be present at club meetings, social functions and other activities, and to give counsel and advice in their financial affairs. Also, each club must keep a cash receipts and disbursements record either through a bank account or otherwise, which will be periodically checked by college authorities.

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.

DUFF HARDWARE COMPANY—An award presented to the outstanding agricultural student of the graduating class.

AGGIE CLUB—An award presented to the outstanding agricultural freshman student.

DIXIE STORE—A cash award of \$10.00 presented to the graduating home economics student who has the best record in clothing selection, modeling, and work in style shows.

DUFF HARDWARE COMPANY—A cash award of \$5.00 presented to the graduating home economics student with the best record in selection, use and arrangement of china, crystal, and housewares.

LEISTER MUSIC COMPANY—An award presented to the outstanding vocal student of the school year.

HARDY SUGGS—An award presented to the outstanding member of the Cameron band who has contributed the most to the band and band activities during the year.

SCHUBERT CLUB—A scholarship to the outstanding freshman music student. This scholarship is to be held in trust by the college and used to pay the student's enrollment fees in his or her sophomore year at Cameron.

LAWTON JUNIOR CHAMBER OF COMMERCE—A \$10.00 scholarship award to the freshman commerce student with the highest scholastic average.

LAWTON CHAPTER OF THE OKLAHOMA ASSOCIATION OF PUBLIC ACCOUNTANTS AWARD—An award to the outstanding accounting student enrolled in the Business Administration Division. This award is restricted to graduating sophomores.

ROTARY CLUB—An award presented to the best all-round athlete in the graduating class.

R. ZAK CLOTHING COMPANY—A trophy presented to the most valuable first year athlete.

ZALE JEWELRY—An award to the outstanding graduate in the Division of Home Economics.

CALDWELL FABRIC SHOP—An award to the outstanding student in clothing construction.

BETA SIGMA PHI—The Xi Tau Chapter of Beta Sigma Phi awards a \$25.00 scholarship each semester to a Home Economics student to help pay enrollment fees at Cameron. Selection of the recipient by the chapter is based on scholarship, personality, and need.

ENTRE NOUS—Medal presented to the college English student with the highest two-year average.

DRAMATICS CLUB—A gold medal presented to the student who does the best work and is of most value in the general field of dramatics.

MINOR BOGGS SPEECH AWARD—An award of fifteen dollars given

en each year to the best all-round speech student in the graduating class. This award is given by Mrs. Fannie E. Boggs in memory of her daughter, Minor Boggs.

WICHITA MOUNTAINS BRANCH OF OKLAHOMA PROFESSIONAL ENGINEERING SOCIETY—An award of \$50 to the outstanding graduating engineer to be used to pay entrance fees to a senior college of Engineering. The money is to be held in trust by Cameron and sent directly to the college after enrollment is completed.

KIWANIS CLUB—Award presented to the graduating college sophomore students having the highest scholastic average and to the college sophomore student making the second highest average.

PHI THETA KAPPA—Medals presented to the college freshman student having the highest scholastic average and to the college freshman having the second highest scholastic average.

OPTIMIST CLUB—Two annual awards to be presented to the most valuable graduating journalism student and to the outstanding freshman journalism student.

ITTANAHAWA AWARD—Two annual awards presented to the outstanding graduating sophomore and freshman Indian students. Selection will be based on scholarship, personality, citizenship, and cooperation.

KAPPA KAPPA IOTA—A scholarship of \$25.00 to the freshman woman student majoring in education who has maintained the highest record in personality, scholarship, and citizenship. This scholarship is to be held in trust by the college and used to help pay her enrollment fee during her sophomore year at Cameron.

S. C. A.—A medal to the outstanding student in the Student Christian Association.

LIONS CLUB—The president of the club will present an honor at Honors Day Assembly to the young man judged the most valuable student to the college during his two years at Cameron State Agricultural College.

MOST VALUABLE WOMAN STUDENT'S AWARD—The president of Cameron College will present an honor at Honors Day Assembly to the young woman judged the most valuable student to the college during her two years at Cameron State Agricultural College.

GEORGE GUTSHALL—An award given each year to the student who has made the most progress during his two years at Cameron. This award is given by Mr. George F. Gutshall in memory of his son, George, Jr., who was killed in action February 15, 1945.

TEXAS A. & M. CLUB AWARD—A suitable award presented to the outstanding sophomore ROTC Cadet by the Texas A. & M. College Club of Ft. Sill and Lawton.

R. & S. SPORTING GOODS TROPHY—A trophy for the outstanding boy in intramural athletics.

LAWTON COCA COLA BOTTLING COMPANY—A trophy for the outstanding girl in intramural athletics.

ASSISTANT P. M. S. & T. AWARD OF MERIT—This award, presented by the Assistant Professor of Military Science and Tactics to the platoon and platoon leader considered most outstanding on the drill field during the academic year, remains on display in the Military Building.

NATIONAL SOJOURNERS AWARD—An annual award to the outstanding squad and ROTC Unit at Cameron. The plaque will remain on display in the Military Building.

OUTSTANDING FRESHMAN ROTC AWARD—A special award presented to the outstanding freshman ROTC Cadet by the president of Cameron State Agricultural College.

ATTENDING THE COLLEGE

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

REGULATIONS GOVERNING ABSENCES—(a) Students are expected to be present at every recitation and examination of the courses for which they are registered. Punctual and regular attendance and attentive work in the classroom will be considered in determining the final grade of the students. Unexcused absences in a course in an amount equal to the credit hour value of the course constitute sufficient cause for the student to be dropped from the course with a grade of F. If, however, there are acceptable reasons for the absences, such as illness, the instructor may give a student an E (condition) or an I (incomplete). The student may then make up the work missed and receive a passing grade.

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

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

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

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

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

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

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

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

(c) All male students, unless specifically exempt as hereinafter provided, must have credit in four semesters of military science. In the case of students transferring from another college which does not offer military science, then one semester of physical education for each semester of attendance at that college will be required in lieu of military science for those semesters. The term "military science" as here used shall include Air Science and Naval Science.

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

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

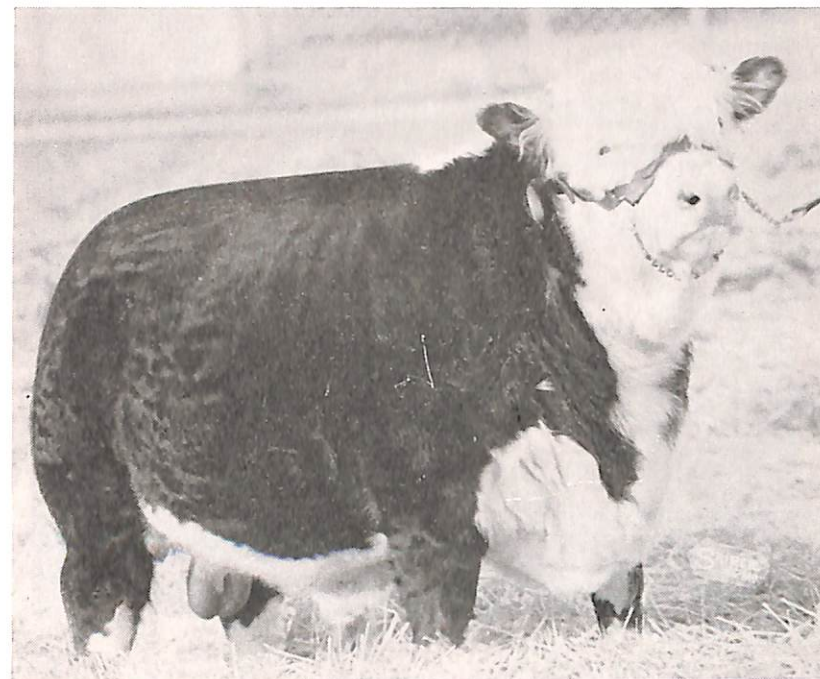
(f) A student may petition the Administrative Council for waivers in exceptional cases involving requirements other than American history and government.

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

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

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

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



TR Zato Heir 262

No. 7358612

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

Division of Agriculture

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

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

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

AGRICULTURAL CURRICULUM

(Pre-Veterinary students see page 30)

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chemistry 114—General	4	Chemistry 124—General	4
Govt. or History	3	Govt. or History	3
F. C. 113—Crop Production	3	Botany 114—General	4
A. H. 113 or Dairy 113	3	Ag. Engr. 122—Farm Mach	2
Mil. Sci. 112	2	Mil. Sc. 122	2
Total	18 hrs.	Total	18 hrs.

SOPHOMORE (A. H.)

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

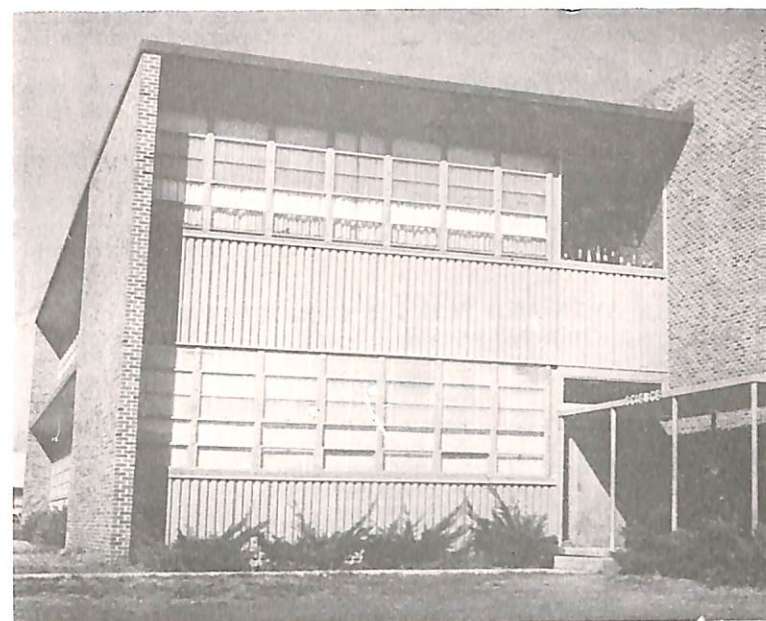
SOPHOMORE (Ag. Ed.)

First Semester	Cr.	Second Semester	Cr.
Poultry 104—Farm Poultry	4	Rural Sociology 223	3
Ag. Engr. 202—Soil Conserv.	2	Entom. 224—General	4
A. H. 113 or Dairy 113	3	Bact. 224—General	4
Zoology 214—General	4	Hort. 103—General	3
Elective	3	F. C. 233—Forage Crops	3
Mil. Sci. 212	2	Mil. Sci. 222	2

Elective should be Soils 214, or Ag. Econ. 203.

SOPHOMORE (Agronomy)

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



Division of Arts and Sciences

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

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

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

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

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

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

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

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

ARTS AND SCIENCE CURRICULUM

(Also for Pre-Secondary Education majors)

FRESHMAN	
First Semester	Cr.
English 113	3
Math. 143-173	3
Hist. 223—American	3
Natural Science	4
Speech 112	2
Orientation 111	1
Phys. Ed. 111 (Girls)	1
Mil. Sci. 112 (Boys)	2
Second Semester	
English 123	3
Math. 173-183	3
Govt. 213—Federal	3
Natural Science	4
Elective	1
Phys. Ed. 121 (Girls)	1
Mil. Sci. 112 (Boys)	2
SOPHOMORE	
First Semester	Cr.
English Elective	3
Social Science	3
Language Elective	5
Natural Science	5
Phys. Ed. 211 (Girls)	4
Mil. Sci. 212 (Boys)	2
Second Semester	
English Elective	3
Social Science	3
Language Elective	5
Elective	1
Phys. Ed. 221 (Girls)	1
Mil. Sci. 222 (Boys)	2

FRESHMAN	
First Semester	Cr.
English 113	3
Mus. 113—Harmony	3
Mus. 132—Ear Training	2
*General Educ. Elective	3-5
Piano or Voice	2
Band or Chorus	1
Orientation 111	1
Phys. Ed. 111 (Girls)	1
Mil. Sci. 112 (Boys)	2
Second Semester	
English 123	3
Mus. 123—Harmony	3
Mus. 142—Ear Training	2
*General Educ. Elective	3-5
Piano or Voice	2
Band or Chorus	1
Phys. Ed. 121 (Girls)	1
Mil. Sci. 122 (Boys)	2
SOPHOMORE	
First Semester	Cr.
Govt. 213—Federal	3
Mus. 232—Ear Training	3
Mus. 213—Harmony	3
Mus. 112—Brass Inst. Cl.	2
Piano or Voice	2
Band or Chorus	1
Mus. Appreciation 212	1
Phys. Ed. 211 (Girls)	1
Mil. Sci. 212 (Boys)	2
Second Semester	
Hist. 223 or 213—American	3
Mus. 223—Harmony	3
Mus. 122—Wind Inst. cl.	2
Mus. 242—Ear Training	2
Piano or Voice	2
Band or Chorus	1
Phys. Ed. 221 (Girls)	1
Mil. Sci. 222 (Boys)	2

FRESHMAN	
First Semester	Cr.
English 113	3
Chem. 114—General	4
*Math. 143-173	3
Botany 114	4
Mil. Sci. 122	2
Second Semester	
English 123	3
Chem. 124—General	4
*Math. 173-183	3
Botany 114	4
Mil. Sci. 122	2
SOPHOMORE	
First Semester	Cr.
English 113	3
Chem. 113—General	3
Govt. 213—Federal	3
Family Relations 113	3
Physiology 213—Human	3
Orientation 111	1
Phys. Ed. 111	1
Second Semester	
English 123	3
Chem. 123—General	3
Hist. 223—American	3
Psychology 113—Elements	3
Elective	3
Phys. Ed. 121	1
Total	
17 hrs.	17

PRE-ELEMENTARY EDUCATION CURRICULUM

FRESHMAN	
First Semester	Cr.
English 113	3
Math. 113—Business Math.	3
Hist. 213—American	3
Bi. 114	4
Orientation 111	1
Speech 112	2
Phys. Ed. 111 (Girls)	1
Mil. Science 112 (Boys)	2
Second Semester	
English 123	3
Math. 143—Inter. Algebra	3
Hist. 223—American	3
Bi. 124	4
Speech 122	2
Phys. Ed. 121 (Girls)	1
Mil. Science 121 (Boys)	2
SOPHOMORE	
First Semester	Cr.
English Elective	3
Elective	3
Art 112	2
Geography 213	3
Class Piano 110	2
Govt. 213—Federal	3
Phys. Ed. 211 (Girls)	1
Mil. Science 212 (Boys)	2
Second Semester	
English Elective	3
Elective	3
Art 122	2
Personal Health 152 (Girls)	2
Mus. Ed. 102	2
Okla. History 112	2
The Child 212	2
Phys. Ed. 221 (Girls)	1
Mil. Science 222 (Boys)	2

RECOMMENDED ELECTIVES: First Semester: Typing if no previous credit, Sociology 113, Home Economics courses. Second Semester: Psychology 113, Sociology 213, Home Economics courses.

PRE-PHARMACY

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

FRESHMAN	
First Semester	Cr.
English 113	3
Chem. 114—General	4
*Math. 143-173	3
Zoology 214	4
Orientation 111	1
Mil. Sci. 112	2
Second Semester	
English 123	3
Chem. 124—General	4
*Math. 173-183	3
Botany 114	4
Mil. Sci. 122	2
Total	
16 hrs.	16

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

PRE-NURSING

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

FRESHMAN	
First Semester	Cr.
English 113	3
Chem. 113—General	3
Govt. 213—Federal	3
Family Relations 113	3
Physiology 213—Human	3
Orientation 111	1
Phys. Ed. 111	1
Second Semester	
English 123	3
Chem. 123—General	3
Hist. 223—American	3
Psychology 113—Elements	3
Elective	3
Phys. Ed. 121	1
Total	
16 hrs.	16

SOPHOMORE

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

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

PRE-VETERINARY MEDICINE

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

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chem. 114—General	4	Chem. 124—General	4
Zool. 214—General	4	Zool. 224	4
Math. 143-173*	3	Math. 173-183	3
Orientation	1	Speech 112	2
Mil. Sci. 112	2	Mil. Sci. 122	2
Total	17 hrs.	Total	18 hrs.

SOPHOMORE

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

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

Suggested electives: Accounting 213, Typing 103, Economics 213, Psychology 113, Chemistry 215, Rural Sociology 223.



Division of Business Administration and Business Training

The curriculums of the Business Administration and Business Training programs provide background study for students who are interested in advanced work in business.

The two-year training program—either general business or secretarial—is designed to meet the needs of college students who are not able, or who prefer to attend college for not more than two years.

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

Students should recognize that business training in either the two-year or even the four-year college will not prepare them for immediate employment at the executive level, but it will certainly lessen the period of apprenticeship.

Co-Operation With Business

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

PRE-PROFESSIONAL BUSINESS CURRICULUM

The courses in the Pre-Professional business curriculum are designed to meet the requirement of students who plan to major in business administration or business education in a university or four year college.

Students enrolling in this phase of business should be aware of the requirements of the institution to which they plan to transfer.

FRESHMAN

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

SOPHOMORE

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

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

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

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

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

PRE-BUSINESS EDUCATION CURRICULUM

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

FRESHMAN

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

SOPHOMORE

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

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

TWO-YEAR SECRETARIAL TRAINING CURRICULUM

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

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Math. 113—Bus. Math.	3	S. T. 123—Shorthand*	3
S. T. 113—Shorthand*	3	Typing 133-253**	3
Typing 103-133**	3	Biology 114	4
Govt. 213—Federal	3	Speech 112	2
Orientation 111	1	Phys. Ed. 121	1
Phys. Ed. 111	1		
Total	17 hrs.	Total	16 hrs.

SOPHOMORE

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

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

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

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

TWO-YEAR GENERAL BUSINESS CURRICULUM

This curriculum provides business training of a practical nature for those students interested in two years of general business training rather than pre-professional or secretarial training.

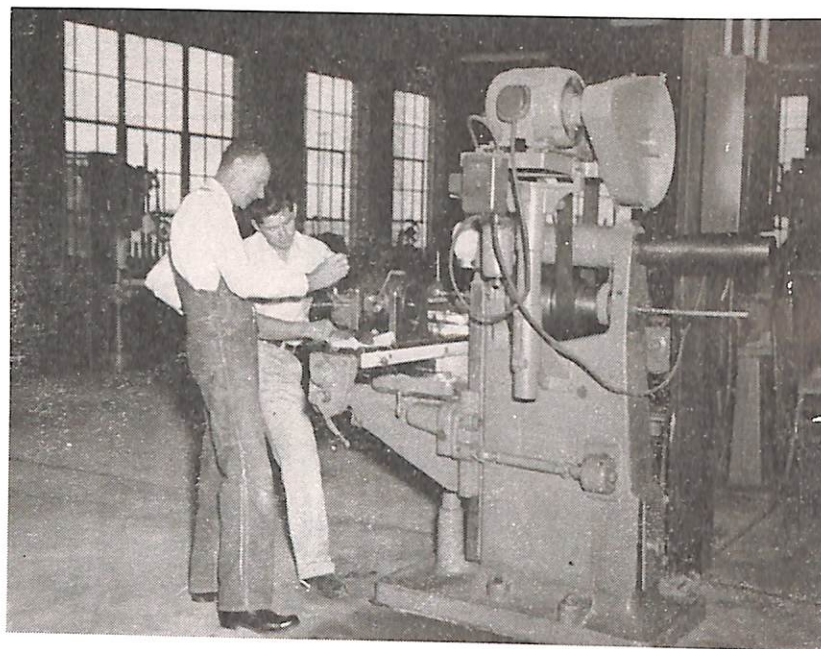
FRESHMAN

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

SOPHOMORE

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

*With the consent of the Head of the Division of Business, students may substitute the following courses:
 Home Economics Psychology 133 Advanced Composition
 Sociology 113 Speech 122, 213 Additional Typewriting
 Journalism 253 Additional Mathematics



Division of Engineering and Industrial Arts

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

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

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

ENGINEERING CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Math. 173—College Algebra	3	Math. 194—Analytics	4
Math. 183—Trigonometry	3	ME 112—Engr. Drawing	2
Chemistry 114—General	4	Chemistry 124—General	4
Shop Elective	1	Govt. 213—Federal	3
Orientation 111	1	Mil. Sci. 122	2
Mil. Sci. 112	2		
Total	17 hrs.	Total	18 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Math. 214—Dif. Calculus	4	Math. 224—Int. Calculus	4
Physics 215—General	5	Physics 225—General	5
C. E. 123—Surveying	3	ME 123—Des. Geometry	3
Shop Elective	1	Hist. 223—American	3
Elective	3	Speech 112—Fundamentals	2
Mil. Sci. 212	2	Mil. Sci. 222	2
Total	18 hrs.	Total	19 hrs.

Recognized Electives

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

TWO-YEAR ENGINEERING CURRICULUM

(for terminal students)

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Math. 143—Inter. Algebra	3	Math. 173—College Algebra	3
Chem. 114—General	4	Chem. 124—General	4
Engr. Drawing 112	2	**Engineering Elective	2
Orientation 111	1	Govt. 213—Federal	3
*Shop Elective	2	Military Science 122	2
Military Science 112	2		
Total	17 hrs.	Total	17 hrs.

SOPHOMORE

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

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

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

INDUSTRIAL ARTS

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

INDUSTRIAL ARTS CURRICULUM

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chemistry 114—General	4	Chemistry 124—General	4
ME 112—Engr. Drawing	2	Shop 212—Mach. Woodwork	2
Math. 143—Inter. Algebra	3	Hist. 223—American	3
Shop 122—Bench Woodwork	2	Shop 221—Care of Equip.	1
Orientation 111	1	Shop 291—Wood Turning	1
Mil. Sci. 112	2	Shop 231—Pattern Making	1
		Mil. Sci. 122	2
Total	17 hrs.	Total	17 hrs.

SOPHOMORE

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



Division of Home Economics

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

1. College women who plan to teach either general or vocational home-making in the secondary schools and will finish their collegiate study leading to a Bachelor's degree and a standard certificate to teach.
2. College women who wish to major in phases of home economics other than teaching and who plan to continue specializing until the Bachelor's or Master's degree is obtained. These women are interested in preparing themselves for the management of lunch rooms, cafeterias, hospital dietetics, extension service, nursery school work, public service, adult education, interior decoration, dress making, dress designing, and commercialized textiles.
3. College women who are preparing for actual homemaking and wish to improve their personal attitude and efficiency for this important undertaking through some professional guidance and practice in the scientific principles involved in tasks of special interest to the homemaker.

With the completion of the new Science-Home Economics building the department is one of the most modern and best equipped among the junior colleges of the state. The foods laboratory with its five unit kitchens and the clothing laboratory with its ten machines and related equipment are facilities unsurpassed anywhere. The spacious reception room with its functional furnishings is a meeting place for the Home Economics club which is affiliated with both the state and national organizations. This room is also the setting for various teas and receptions.

Students completing the Vocational Curriculum may, if their grades are satisfactory, be admitted with junior standing to the School of Home Economics, at the Oklahoma A.&M. College, 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

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
Chemistry 113—General	3	Chemistry 123—General	3
H. S. 113—Foods	3	H. A. 113—Clothing	3
Art 112—Principles	2	Art 122—Principles	2
H. L. 113—Family Living	3	H. A. 132—Textiles	2
Orientation 111	1	H. S. 152—Personal Health	2
Phys. Ed. 111	1	Phys. Ed. 121	1
Total	16 hrs.	Total	16 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
Govt. 123—Federal	3	Hist. 223—American	3
H. E. E. 213—Consumer Problems	3	H. A. 234—House Planning	4
H. A. 223—Adv. Clothing	3	Chemistry 203—Organic	3
Speech 112—Fundamentals	2	H. S. 213—Meal Planning	3
Electives	4	H. L. 212—Child Development	2
Phys. Ed. 211	1	P. E. 221	1
Total	16 hrs.	Total	16 hrs.

SUGGESTED ELECTIVES

First Semester: Physiology 213, Biology 114, English 213, English 283, Economics 213, a Language, Journalism, Library Science.

Second Semester: H. A. 233—Costume Design, Sociology, Algebra 143, Typing or other commerce courses.

GENERAL HOME ECONOMICS CURRICULUM

This curriculum is designed for those who are principally interested in preparing for practical home making. It may also be followed by those girls who wish to work out a teaching field in General Home Economics or who may want a combination of Home Economics and Business or other such combinations.

FRESHMAN

First Semester	Cr.	Second Semester	Cr.
English 113	3	English 123	3
H. S. 113—Foods	3	H. A. 113—Clothing	3
H. L. 113—Family Living	3	H. A. 132—Textiles	2
Orientation 111	1	Electives	7
Electives	6	Phys. Ed. 121	1
Phys. Ed. 111	1		
Total	17 hrs.	Total	16 hrs.

SOPHOMORE

First Semester	Cr.	Second Semester	Cr.
H. A. 223—Adv. Clothing	3	H. A. 234—House Planning	4
H. E. E. 213—Consumer Problems	3	H. S. 213—Meal Planning	3
Govt. 213—Federal	3	Hist. 223—American	3
Electives	6	H. L. 212—Child Development	2
Phys. Ed. 211	1	Phys. Ed. 221	1
		Electives	3
Total	16 hrs.	Total	16 hrs.

Suggested Electives

First Semester: Typing, Shorthand, Biology 114, Art 112, Music, Chemistry 113, Sociology 113, Physiology 213, Costume Design 233 (for sophomores).

Second Semester: Art 122, Business courses, Music, Speech, Science, Sophomore English courses, Psychology, Sociology.



Reserve Officer Training Corps

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

Basic Course

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

- a. Physical disability.
- b. Night or part-time student status, only so long as such status exists.
- c. Active service or active duty for training in United States Army, Navy, Air Force, Marine Corps, or Coast Guard.
- d. Male students 24 years of age or over on date of enrollment are exempt from ROTC training.

Uniforms and Equipment

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

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

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

Conduct

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

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

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

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

Discipline

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

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

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

Instruction

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

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

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



The ROTC Drill Team

Division of Terminal Education

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

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

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

The required courses are as follows:

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

The number of hours, number of grade points, and all other general requirements for graduation as listed on pages 23 and 24 of this catalogue are the same in the Division of Terminal Education as in the other Divisions of the college.

Evening Classes For Adults

(A part of the Division of Terminal Education)

PURPOSE

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

1. **JOB ADVANCEMENT**—The commerce courses are especially designed to help you advance in your present job or to qualify for a better one.

2. **GAIN FURTHER COLLEGE CREDIT** either in a few required courses not yet completed or on a regular planned program looking toward graduation from Cameron.

3. **PURSUE A HOBBY**—Recreation and much enjoyment can come through the effective use of leisure time. Through evening classes you may be able to do the things you have always wanted to do but never have found time for.

4. **COMPLETION OF HIGH SCHOOL**. Certain courses may be transferred back to high school credit and used to complete the requirements for high school diploma at your home school.

GENERAL INFORMATION

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

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

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

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

WHO MAY ENROLL—Any Adult. High school graduation is not required. Regular day students, except in very rare instances, will not be permitted to enroll in night classes. Those who desire regular college credit for their work will necessarily meet one of the five conditions of entrance, (b) to (f) listed on page 21.

ENROLLMENT DATES—Summer 1957, Monday and Tuesday, May 27-28, 6:30 P. M. in the college auditorium on the campus; Fall term 1957, Wednesday and Thursday, Sept. 11-12, in the college auditorium at 6:30 P. M.; Winter term, Monday and Tuesday, Jan. 13-14, 1958, same place and hour; Spring term, 1958, Wednesday and Thursday, March 19-20, 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 night. After that books may be obtained from the instructor.

COURSES OFFERED

COMMERCE: (See pages 55-57 for descriptions)

Accounting 213-223	Salesmanship 203
Business Communications 213	Shorthand 113-123
Business Law 213	Typing 103-133-253
Business Mathematics 113	Transcription 202—Dictation 214

GENERAL COURSES: (See pages 47-55 for descriptions)

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

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

HOME ECONOMICS: (See pages 58 and 59 for descriptions)

Clothing 103-113	Costume Design 233
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SHOP: (See page 58 for descriptions)

Bench Woodwork 122	Machine Woodwork 212
Care of Shop Equipment 221	Wood Turning 291
Acetylene Welding 271	Arc Welding 281

DESCRIPTION OF COURSES

AGRICULTURAL COURSES

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

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

AGRICULTURAL ENGINEERING 202—SOIL 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.

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

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

ANIMAL HUSBANDRY 203—LIVESTOCK PRODUCTION. Second semester. Class 2 hours, laboratory 2 hours, credit 3 hours. (No credit allowed for students who major in Animal Husbandry.) Recommended as a vocational course for students returning to the farm. A general study of cattle, sheep, hogs, and horses from a selection, breeding, feeding, sanitation, care and management, and marketing standpoint.

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

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

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

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

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

FIELD CROPS 113—CROP PRODUCTION. First semester. Class 2 hours, laboratory 2 hours, credit 3 hours. A study of the characteristics, adaptations, preparations of seed beds, tillage, disease and pest control. Cultural methods and use of various field crops.

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

FIELD CROPS 221—CROP IDENTIFICATION. Second semester. Laboratory 2 hours, credit 1 hour. Judging, identification and grading of the most important crop seeds with special emphasis placed on factors influencing the quality of seeds.

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

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

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

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

SOILS 214—SOILS AND SOILS MANAGEMENT. First semester. Class 3 hours, laboratory 2 hours, credit 4 hours. Prerequisite: one year of chemistry. A general introductory course dealing with the fundamentals of soil development and management.

ARTS AND SCIENCE COURSES

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

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

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

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

BIOLOGY 124—GENERAL BIOLOGY. Class 3 hours, laboratory 2 hours, credit 4 hours. Prerequisite: Biology 114. A study of the vertebrate animal with careful consideration of the human body and its processes. The amphibian is used for laboratory study and is compared with mammal. Other topics studied are heredity, disease, disease transmission, immunity, ecology, and development of the forms. The application of

principles to the problems of man and his society is a factor of each discussion. Not intended for science majors.

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

BOTANY 114—GENERAL BOTANY. Second semester. Class 3 hours, laboratory 2 hours, credit 4 hours. A survey of the entire plant kingdom from the simplest to the highest seed-bearing plants, stressing life histories, relationships, origin, and evolution of the plant kingdom.

CHEMISTRY 113—GENERAL CHEMISTRY. Second semester. Class 2 hours, laboratory 3 hours, credit 3 hours. An introductory course for home economics students, and those students planning pre-nursing. Those who have had chemistry in high school should take Chemistry 115.

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

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

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

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

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

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

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

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

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

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

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

ENGLISH 110—GRAMMAR AND COMPOSITION. No college credit. Remedial course for students who are not prepared for English 113.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

HISTORY 143—EUROPEAN HISTORY. First semester. Class 3 hours, credit 3 hours. A study of Europe from 1500 to 1815. Course deals with the states of Europe at the dawn of the Modern Age; the age of the Reformation; Europe in the age of Louis XIV; the Eighteenth century

including emergence of Russia, struggle for colonies, intellectual revolution, government and society under the old regime; era of the French Revolution and Napoleon.

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

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

HISTORY 223—HISTORY OF THE UNITED STATES. Each semester. Class 3 hours, credit 3 hours. Period of 1865 to the present. Course deals with reconstruction; economic and social life of the people; rise of big business; the labor movement; overseas expansion; progressivism; war and peace, 1924-1929; domestic problems of the twenties; depression and the New Deal; World War II; the post-war world.

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

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

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

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

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

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

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

bra and one year of plane geometry. The development and use of trigonometric functions; relations between the functions; logarithms, solutions of triangles; applications to practical problems throughout the course.

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

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

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

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

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

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

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

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

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

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

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

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

MUSIC EDUCATION 102 (122)—Class 2 hours, credit 2 hours. Prerequisite: Permission. A course in the presentation of music to children in the grades. Not open for credit to music majors.

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

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

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

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

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

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

MUSIC 252—INDIVIDUAL INSTRUMENT LESSONS. 2 thirty-minute individual lessons per week, practice 2 hours per day, credit 2 hours. Prerequisite: permission and Music 112 and 122 or equivalent. For music majors only. May be repeated once for credit.

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

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

ORIENTATION 111—PERSONAL ORIENTATION AND ADJUSTMENT. Class 1 hour, credit 1 hour. Required of all first semester freshmen. A course designed to help the student adjust himself to college, to develop more effective study methods, and to help in vocational guidance.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SOCIOLOGY 113—PRINCIPLES OF SOCIOLOGY. First semester. Class 3 hours, credit 3 hours. A general survey of the scope and problems of sociology; a study of the forces which cause the development of human relationships which influence the rise and growth of peoples, and impel the organizations composing human society.

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

SOCIOLOGY 223—RURAL SOCIOLOGY. Second semester. Class 3 hours, credit 3 hours. Economics, transportation, education, the church, recreation, the home and health, with special reference to rural population.

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

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

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

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

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

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

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

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

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

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

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

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

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

ZOOLOGY 214—GENERAL ZOOLOGY. Each semester. Class 3 hours, laboratory 2 hours, credit 4 hours. Brief survey of the animal kingdom. Structure and function as well as evolution of the systems of the organism as relates to the vertebrate animal.

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

BUSINESS COURSES

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

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

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

BUSINESS 212—OFFICE MACHINES. Class 1 hour, laboratory 2 hours, credit 2 hours. A business course to acquaint the student with a

variety of commonly used office machines, with specific training in the use of ten-key and full-keyboard adding machines, calculating machines, and duplicating equipment.

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

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

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

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

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

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

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

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

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

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

SECRETARIAL TRAINING 123—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 a study of the advanced principles of Gregg Shorthand and advanced letter writing. Dictation, transcription, and speed drills. Credit will not be allowed to students presenting credit in two years of high school shorthand. Speed requirement 80 words.

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

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

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

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

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

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

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

ENGINEERING COURSES

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

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

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

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

E. E. 113—BASIC ELECTRICITY. Class 2 hours, laboratory 3 hours, credit 3 hours. An elementary study of electrical circuits, magnetism, generators, motors, and electrical measurement.

E. E. 212—CIRCUIT DIAGRAMS AND TRACING. Laboratory 6 hours, credit 2 hours. Practice in drawing electrical circuits and electrical symbols. (Open only to students studying radio.)

E. E. 234—ELEMENTS OF RADIO. Class 3 hours, laboratory 3 hours, credit 4 hours. Prerequisite: enrollment in Physics 225, or permission. Elementary electrical circuits, resonance, vacuum tubes, receivers, and transmitters.

E. E. 243—RADIO SERVICING. Class 1 hour, laboratory 6 hours, credit 3 hours. Practice in radio servicing.

E. E. 244—ELEMENTS OF RADIO. Class 3 hours, laboratory 3 hours, credit 4 hours. Prerequisite: Elements of radio E. E. 234. A continuation of E. E. 234.

SHOP 122—BENCH WOODWORK. First semester. Laboratory 6 hours, credit 2 hours. Elementary hand woodworking. Required of Industrial Arts students.

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

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

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

SHOP 212—MACHINE WOODWORKING. Second semester. Laboratory 6 hours, credit 2 hours. Prerequisite: Shop 122 or equivalent. A beginning course in machine woodwork. Required of Industrial Arts Students.

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

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

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

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

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

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

SHOP 281 (272)—ELECTRIC WELDING. Laboratory 3 hours, credit 1 hour. Types of welding practice.

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

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

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

HOME ECONOMICS COURSES

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

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

H. A. 103—CLOTHING CONSTRUCTION. Class 1 hour, laboratory 4 hours, credit 3 hours. The construction of clothing with basic sewing techniques suited to needs of students enrolled with little or no sewing experience. Planned for non-majors. Majors should take H. A. 113 unless they need the extra sewing experience without credit.

H.A. 113—CLOTHING SELECTION AND CONSTRUCTION. Class 1 hour, laboratory 4 hours, credit 3 hours. Construction of garments involving fundamental techniques of basic sewing and dress making experience. Use of commercial patterns, flat-pattern alterations, and fitting of garments stressed. Brief points are given on care, selection of fabrics and suitable design for garments to be constructed, and personal grooming practice to enhance one's beauty in fashioning of garments. Open to non-majors with sewing experience or credit in H. A. 103.

H. A. 132—TEXTILE SELECTION AND CARE. Class 2 hours, credit 2 hours. A study of textile fibers and fabrics, their properties, identification, and care with stress on good buymanship as applied to their practical and aesthetic uses in household items and clothing for the girl in particular in relation to her clothing budget and needs of her family-members.

H. A. 223—ADVANCED CLOTHING CONSTRUCTION. Class 1 hour, laboratory 4 hours, credit 3 hours. Prerequisite: H. A. 113. Construction of more advanced garments with further opportunity to utilize and perfect the construction and fitting techniques already acquired in the previous Clothing 113 course. Emphasis is placed on new and more independent sewing skills and new problems leading into professional dress designing and tailoring. Further practice in selection of accessories, posture work, and personal appearance to help students in modeling their clothes is briefly given.

H. A. 233—COSTUME DESIGN. Class 1 hour, laboratory 4 hours, credit 3 hours. Design principles as applied to an original dress design to be constructed and fashioned by the student. Practice work in various phases of dress designing, too, as a foundation knowledge for more advanced dress designing in senior colleges, by majors in Home Economics and Household Art students in particular. Offered only with sufficient request for course, and provided sewing and art skills meet the approval of instructor.

H. A. 234—HOUSE PLANNING AND DECORATION. Class 2 hours, laboratory 4 hours, credit 4 hours. Prerequisite: For Home Economics majors, Art 112 or permission. Open to non-majors without prerequisite. A study of the house from the standpoint of utility, beauty, and economy, including principles of interior decoration as applied to the arrangement and furnishing to scale of a livable home on a definite income level and suited to the personalities therein. A brief study of outstanding periods with emphasis on domestic architecture, furniture, and textiles. Field trips, films, projects, and demonstrations included.

H. E. E. 213—CONSUMER PROBLEMS. Class 3 hours, credit 3 hours. Consumer problems for family living that families cannot escape. The purpose is to assist in problems of buying; in the management of money, time, and energy as related to homemaking and family living; in using personal resources to achieve financial goals and ambitions, and in understanding the place of the consumer in society. Discussions, readings, projects, field trips, and films. Open to students in other divisions.

H. L. 113—PERSONAL AND FAMILY LIVING. Class 3 hours, credit 3 hours. Required of all Home Economics students. Open to all other students, both men and women. The purpose is to develop an under-

standing of human development, desired personality traits, behavior and human relationships as applied to judgement problems relating to personal, home, and family life. Problem examples: boy and girl relationships, dating, courtship, choice of life mate, marriage, etc. Discussions, readings, films.

H. L. 212—CHILD DEVELOPMENT AND GUIDANCE. Class 2 hours, credit 2 hours. Growth and guidance of children through pre-school years and their relationships with others with emphasis on the ways in which the fundamental needs of children may be met in daily living. Readings, class discussions, observations of children, films, etc. Meets requirements for elementary teaching certificates.

H. S. 112—PLANNING AND SERVING MEALS. Class 2 hours, laboratory 2 hours, credit 2 hours. A study of meal planning principles with emphasis on teaching prospective brides to really cook. It develops kitchen confidence and offers practice in planning, preparing, and serving, both for the family and for service for special occasions. This is given in light of good housekeeping and laboratory routine to save steps. Planned for non-home economic majors and offered with sufficient requests for course.

H. S. 113—FOOD PREPARATION AND ELEMENTARY NUTRITION. Class 1 hour, laboratory 4 hours, credit 3 hours. Selection, preparation, and preservation of foods with stress in laboratory routine and practice in fundamental principles of cookery and serving in relation to all types of food dishes for the family and a study of elementary nutrition principles involved in the family's everyday eating habits for positive and optimal health.

H. S. 152—PERSONAL AND FAMILY HEALTH. Class 2 hours, credit 2 hours. Developing proper appreciation and understanding of health and how to gain and maintain it. Emphasis on personal health in relation to the family life and community hygiene with a study and some practice in simple home nursing procedures, home treatments, improvised equipment, first aid, and mother and baby. Open to non-majors. Recommended for Elementary Education majors.

H. S. 213—MEAL PLANNING AND TABLE SERVICE. Class 1 hour, laboratory 4 hours, credit 3 hours. Prerequisites: H. S. 113 and chemistry for Nutrition or Vocational Home Economics majors preparing for senior colleges. Chemistry is not required for Household Arts and other majors. The planning, preparation, and serving of different types of meals with emphasis applied to nutrition, laboratory routine, and cookery techniques already learned in previous foods course. Practice in table etiquette, types of serving, appropriate table settings, and flower arrangements.

MILITARY COURSES

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

MILITARY SCIENCE 212-222—SECOND YEAR BASIC, GENERAL MILITARY SCIENCE. Class and laboratory 5 hours, credit 2 hours. Crew served weapons and gunnery; map and aerial photography reading; school of the soldier and exercise of command.