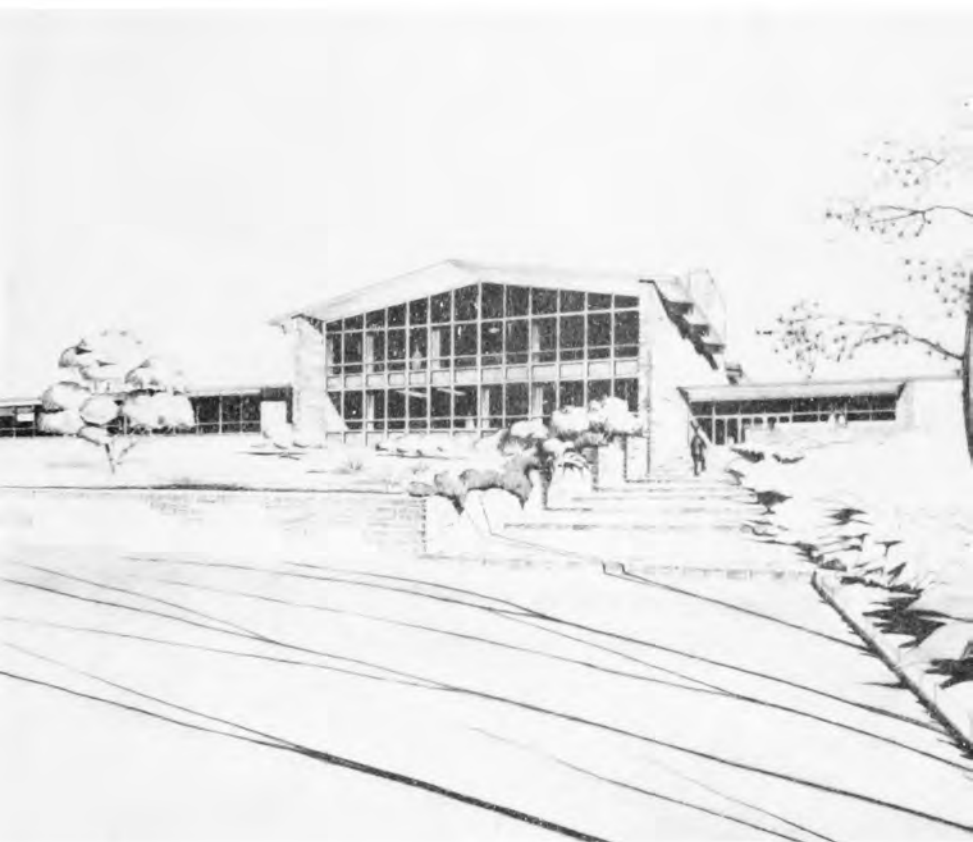


FORT LEWIS

Agricultural and Mechanical College

DURANGO, COLORADO



1956 - 1958
CATALOG

SERIES 7, No. 1

PHILOSOPHY

The total college program is built around the philosophy that the primary function of Fort Lewis A & M College is to serve the general educational, cultural, pre-professional, and vocational needs of the students in the geographic area which the college serves.

PURPOSE

The courses offered enable the students to qualify themselves for further study in senior colleges, universities, and professional schools. If students so 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.

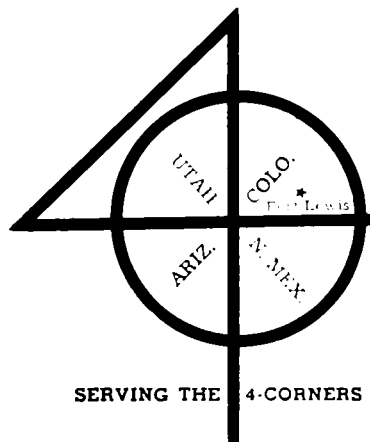
Fort Lewis

Agricultural and Mechanical College

Catalog

1956 - 1958

DURANGO - COLORADO



SERVING THE 4-CORNERS AREA

MEMBERSHIP IN EDUCATIONAL ASSOCIATIONS

National Commission on Accrediting
American Association of Junior Colleges
American Association of Collegiate Registrars
and Admissions Officers
Colorado-Wyoming Association of Collegiate
Registrars and Admissions Officers

Fort Lewis A. & M. College Bulletin

Series 7, No. 1

COLLEGE CALENDAR

First Semester

1956

September 10, Monday	Freshman Placement tests—orientation
September 11, Tuesday	Registration for all students
September 12, Wednesday	Classes begin at 8:00 a.m.
September 18, Tuesday	Last day for refund on withdrawal from college
September 25, Tuesday	Registration closes and last day for schedule changes. Last day for dropping subject without prejudice.
October 2, Tuesday	Last day for one-half refund.
October 4, Thursday	Honors Convocation at 11:00 a.m.
October 25 and 26, Thurs. and Friday	C.E.A. Convention
October 30, Tuesday	Last day for First-Semester Freshman to drop subjects without prejudice.
November 3, Saturday	Homecoming
November 12, Monday	Mid-Semester grades due in Registrar's office at 8:00 a.m.
November 20, Tuesday	Thanksgiving holidays begin at 5:00 p.m.
November 26, Monday	Classes reconvene at 8:00 a.m.
December 14, Friday	Christmas holidays begin at 5:00 p.m.
January 2, 1957, Wednesday	Classes reconvene at 8:00 a.m.
January 30-February 1, Wed.-Friday	Final Examinations
February 1, Friday	Last day of First Semester

Second Semester

1957

February 4, Monday	Registration for all students
February 5, Tuesday	Classes begin at 8:00 a.m.
February 12, Tuesday	Last day for refund on withdrawal from college
February 19, Tuesday	Registration closes and last day for schedule changes. Last day for dropping courses without penalty.
February 26, Tuesday	Last day for one-half refund
April 18, Thursday	Easter Vacation begins at 5:00 p.m. Mid-Semester grades due in Registrar's office.
April 23, Tuesday	Classes reconvene at 8:00 a.m.
May 1, Wednesday	College Day for High School Seniors
May 26, Sunday	Baccalaureate Service
May 27, 28, 29, Monday-Wednesday	Final Examinations
May 30, Thursday	Commencement

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State Board of Agriculture*

	Address	Term Expires
L. S. McCandles.....	Craig	1957
Jesse McCabe	Cortez	1957
George McClave	McClave	1959
Warren Monfort.....	Greeley	1959
Walter G. Lehrer.....	Denver	1961
Raman A. Miller.....	Strasburg	1961
John H. Brownell.....	Hooper	1963
Walter B. Cooper.....	Fort Collins	1963

Governor Edwin C. Johnson }
 W. E. Morgan } (Ex-Officio Members)

Officers*

Warren Monfort	President
Raman A. Miller.....	Vice President
James R. Miller	Secretary
Joseph M. Whalley	Treasurer

Executive Committee

Warren Monfort Walter G. Lehrer Raman A. Miller

*As of March 1, 1956

Personnel*

OFFICERS OF ADMINISTRATION:

Rea, Charles Dale..... President of College
 B.S., Colorado A & M College
 M.S., University of Southern California
 Ed.D., University of Colorado

Taylor, Randall D. Dean of Faculty
 B.S., University of Nebraska
 Graduate Study, Newark College of Engineering
 Rutgers University
 University of Nebraska
 Iowa State
 University of Colorado

Reid, Charles H., Jr..... Registrar
 A.B., Montclair State Teachers College
 M.Ed., University of Colorado

Black, Daniel E..... Business Manager
 B.S., University of Colorado

Hogan, James O..... Assistant Business Manager
 B.S., Regis College

Wallace, Edwin W. Director of Student Activities
 B.S., University of New Mexico
 Graduate Study, University of New Mexico

Nossaman, Carl A..... Director of Information and Services
 B.S., University of Denver

FACULTY:

Admire, Alice K..... Home Economics
 B.S., Colorado A & M
 Graduate Study, University of Idaho
 University of Denver

Beerman, Hans..... English, Foreign Languages
 B.S., University of Illinois
 M.A., University of Iowa
 Ph.D., University of Iowa

Berg, David English, Speech, Dramatics
 B.A., Colorado College
 M.S., University of Utah

Gross, Frederick Raymond, Jr. Agriculture
 B.S., University of Maryland

- Hart, Herbert D.....Chemistry
 B.S., University of Denver
 M.S., University of Denver
 Advanced Graduate Study, University of Colorado
 Syracuse University
- Hickman, Francis W.....Engineering
 B.S., New Mexico School of Mines
 Graduate Study, University of Colorado
- Kelly, Floyd W.....Business
 A.B., Colorado State College of Education
 M.A., Colorado State College of Education
 Graduate Study, Columbia University
- Koch, Carl, Jr.....Business
 B.S., Bowling Green State University
 M.B.A., University of Denver
- McKinnon, Max E.....Agriculture, Industrial Arts
 B.S., Utah State Agriculture College
 M.S., Utah State Agriculture College
- Nethery, Ruby.....Librarian
 B.A., University of Oklahoma
 M.A., University of Oklahoma
 B.L.S., University of Oklahoma
 Graduate Study, Columbia University
- Nossaman, Carl A.....English
 B.S., University of Denver
- Owen, Herbert E., Jr.....Biological Science
 B.S., University of Tulsa
 M.S., Oregon State College
 Advanced Graduate Work, Oregon State College
- Reid, Charles H., Jr.....Mathematics, Education
 A.B., Montclair State Teachers College
 M.Ed., University of Colorado
- Rosenkranz, Edwin.....Music
 B.M., Syracuse University
 M.M., Tulsa University
 M.S., University of Colorado
 Advanced Graduate Work, University of Colorado
- Skinner, Duane.....Physical Education, Social Science
 B.A., University of Denver
- Taylor, Randall D.....Physics, Mathematics
 B.S., University of Nebraska
 Graduate Study, Newark College of Engineering
 Rutgers University
 University of Nebraska
 Iowa State
 University of Colorado
- Wallace, Edwin W.....Psychology, Physical Education
 B.S., University of New Mexico
 Graduate Study, University of New Mexico

MEDICAL STAFF:

Lloyd, Leo W.....Consulting Physician
 M.D., Washington University
 Halley, Tullius W.....Consulting Physician
 M.D., Creighton University

EMERITUS:

Lory, Charles A.....President
 Ped.B., Colorado State Normal School
 B.S., University of Colorado
 M.S., University of Colorado
 LL.D., University of Colorado
 D.Ed., Colorado State College of Education
 D.Sc., University of Denver, Colorado A&M College

Hershberger, Inez.....English, Foreign Language
 A.B., Kalamazoo College
 Graduate Study, University of Wisconsin
 University of Chicago
 University of Colorado
 University of Mexico

DORMITORY SUPERVISORS:*

Mrs. Francis W. Hickman.....Hostess, Lory Hall (For Women)
 Mr. and Mrs. Gordon W. Anderson..Proctors, Snyder Hall (For Men)

Experiment Station Staff*

Paulson, William H., B.S.....Assistant Agronomist
 Riddle, Kent H., B.S.....Assistant Animal Husbandman

*As of March 1, 1956

Standing Committees

Admissions:

Functions—Admitting students, maintaining the standards of the college, and handling disciplinary cases.

Assembly:

Functions—Planning and supervision of assemblies, dramatic productions, honors convocation, commencement, and programs of like nature.

Athletics:

Functions—Planning budget, schedules, and otherwise exercising control over the athletic program.

Curriculum:

Functions—Developing curriculum and revising catalog.

Executive:

Functions—Serving in administrative capacity during the absence of the President from the campus.

Orientation:

Functions—Planning and supervising the Freshman Orientation and Senior Day Program.

Public Relations and Planning:

Functions—Promoting sound public relations and long-range planning for the campus.

Student Financial Aids:

Functions—Recommending and supervising scholarships or grants, and supervising loans to students.

Student Relations:

Functions—Serving in an advisory capacity to the Student Government, and helping to coordinate social activities on campus.

GENERAL INFORMATION

HISTORY:

Fort Lewis Agricultural and Mechanical College was first established on the site of a United States Army Fort of the 1880's, in what is now known as the San Juan Basin and the "Four Corners Area", seventeen miles west of Durango, Colorado. This area is near the junction of Colorado, Arizona, Utah, and New Mexico. When the necessity for troops in this general vicinity ceased, the government established an Indian School, using the land and buildings of the military reservation for this purpose.

The Indian School was terminated in 1911, when the land was transferred from federal to state ownership. With this change Fort Lewis was established as an Agricultural and Vocational High School and was maintained as such until 1933, although some college courses were added to the academic offerings in 1927. From 1933 to the present time, however, Fort Lewis A & M has been exclusively a college-level institution. Until 1948, it was a branch of Colorado A & M College, but in July of that year it became an independent institution. Like Colorado A & M it is administered by the State Board of Agriculture.

Fort Lewis A & M College has now moved into its most recent phase, a second campus in the city of Durango. College Heights, rising five hundred feet above picturesque Durango, is now the home of the new campus. All field work, demonstrations, and practical phases of the agriculture curriculum are presented at the original site of Fort Lewis A & M. The major portion of the academic program is now carried on in completely new college facilities on College Heights.

Administrators who guided the destinies of the College were Mr. G. F. Snyder, first Dean who served until his death in 1934, and Mr. E. H. Bader, Dean from 1935 until 1948. Mr. Charles W. McClain was then appointed acting Dean until Dr. Charles Dale Rea was appointed President on July 1, 1949.

THE NATURAL SETTING OF THE COLLEGE:

Fort Lewis A & M College is in an area unmatched for beauty. Forty miles from Durango is Mesa Verde National Park. In this preserve are found the most famous prehistoric cliff dwellings in the United States. Nearby in northern New Mexico are the Aztec Ruins National Monument and the Chaco Canyon National Monument, both prehistoric sites. Near these is Shiprock, rising abruptly from the floor of the desert, a vast rocky spire that challenges the most experienced mountain climbers.

During the school year students are able to visit these and many other near-by areas of interest. Because of the propitious location of Fort Lewis A & M College in the heart of the San Juan Basin, unusual points of scenic beauty and of educational import are easily reached. Adding to the picturesqueness of it all, Indian Reservations of the Navajo, Apache, Ute, and other tribes are settled throughout the area. Indian weaving and jewelry are famous products of this region.

The Great Sand Dunes National Monument and the Black Canyon of the Gunnison National Monument are located at a somewhat greater distance from the campus, the latter being reached from Fort Lewis A & M College over the Million Dollar Highway between Silverton and Ouray, one of the most spectacular scenic drives of the United States. In South-eastern Utah are the Natural Bridges National Monument and the

Rainbow Bridge National Monument. An easy trip into Arizona brings one to the Canyon de Chelly National Park, with its prehistoric cliff dwellings, and finally to the Grand Canyon National Park, where the Colorado River has produced a panorama of erosion acclaimed as the most sublime spectacle in the world. North and northwest of Fort Lewis A & M College lie the La Plata and San Juan Mountains, among which are many of the most sugeneris peaks in the Rockies.

CAMPUS AND FACILITIES:

In 1954 the Colorado General Assembly authorized the construction in Durango, Colorado, of a complete new campus for Fort Lewis A & M College. The new physical plant will be occupied in September, 1956.

The new campus is located within the city limits of Durango on a mesa overlooking the city and possessing a panorama of the Animas Valley to the north, and the La Plata Mountains to the west. The campus, consisting of 140 acres, is a place of dramatic beauty. The plans are functional, the style of architecture distinctive, and the native-stone finish indigenous to the region.

Adjacent to the immediate campus area to the east lies the city golf course. The north end of the campus adjoins the city ski tow. Picnic grounds and bridle trails are also located in the area. These recreational facilities are immediately available to students of Fort Lewis A & M College. The campus is only a few blocks from the central business section of Durango.

The academic building, approximately 50,000 square feet in size, houses most of the educational program. Located within this building are administrative offices, the library, laboratories, and lecture-type classrooms.

Vocational Agriculture and Industrial Arts courses are provided for in a separate building.

The physical education program is conducted in the gymnasium, the finest structure of its kind in the San Juan Basin. Permanent-type seating is provided for spectator comfort. To the immediate north of the gymnasium are playing fields for conducting such activities as tennis, football, track, baseball, and various intramural sports.

By early 1957, three dormitories will be completed, two of which are for men and one for women. Each dormitory has a capacity for sixty students.

Also due for completion in early 1957 is the Student Union Center which will house a large ballroom, cafeteria, book store, snack bar, and student offices. The dormitories and the Student Union Center will be connected by arcades.

Married student housing is provided on the campus in the form of ten new duplex type residences. Their immediate accessibility to the campus is of great convenience to married students.

The entire campus including the buildings thereon and their respective locations were carefully planned so as to be functional. Every possible facility is provided for supervised recreation and study. In the establishment of the curriculum of study, the designing of the college buildings, and in the planning of the campus layout, maximum effort was made to dovetail all elements into the philosophy of making it possible for each student to experience a degree of acceptance, recognition, and individual success.

THE COLLEGE EXPERIMENTAL FARM:

The college experimental farm, comprising 6,318 acres of land, is used extensively for instructional purposes and agricultural research. Experimental projects include the testing of field and horticultural crops under high altitude conditions, the production and distribution of foundation seed, and investigation into the improvement of beef cattle by inbreeding techniques. These research projects are conducted in cooperation with the Colorado Agricultural Experiment Station.

The experimental farm is located approximately seventeen miles west and south of the main campus. A college owned bus provides transportation to and from the experimental farm for agricultural laboratory field work. Maximum instructional use is made of the research projects and the overall farm and ranch operation. This makes it possible for the agricultural major to become acquainted with the scientific, as well as the practical, aspects of farming and ranching.

Several classrooms are maintained for instructional use at the experimental farm when students are taken there for laboratory and field work.

COLLEGE LIFE:

The small size of the student body allows for individual attention on the part of the faculty and administration; the general tenor of the campus is pleasant and friendly. Housing is provided on the campus, although some students live in the city of Durango itself. Comfortable housing accommodations are available for married students.

The organization of recreational activities is largely extra-curricular in nature. Supervised by the Director of Student Activities, students plan and participate in a variety of leisure time pursuits, such as dancing, horseback riding, skiing, going on hayrides, deer hunting, trout fishing, mountain climbing, rock hunting, practicing archery, and any other activities wherever interest is evinced. Since there are no fraternities or sororities, participation in social events is open to all.

It is the policy of Fort Lewis A & M College to encourage not only a student activity program that will serve group interests of an academic or social nature, but also one that will provide for individual development. The program attempts to promote an appreciation of cultural and esthetic experiences, as well as to imbue the student with the social responsibilities of the individual and the need for leadership. All of this activity is an intrinsic part of the democratic philosophy underlying the junior college movement in America.

ORGANIZATION OF THE COLLEGE:

Fort Lewis A & M College is a two-year state supported, co-educational institution under the control of the Colorado State Board of Agriculture, and is a member of the American Association of Junior Colleges.

The curriculum of the college is divided into two major areas: Lower Division; and Terminal Education. The college is on the semester system, two semesters making up the academic year.

TRANSFER OF CREDITS:

Transcript of record at Fort Lewis A & M College is given full value at the University of Colorado. Credits are accepted at full value by other colleges and universities if the credits are those prescribed for a given curriculum.

SELECTIVE SERVICE DEFERMENT FOR COLLEGE EDUCATION:

The present regulations of the Selective Service Administration encourage capable and sincere students to receive a college education. Accordingly, every male student is entitled to one statutory deferment. Any student who is ordered for induction during an academic year and has never before been deferred is entitled to be deferred to the end of the academic year. Upon receipt of induction orders, the student may present the case to his local board at once.

Continued education after the first deferment demands that the student, while a freshman, stand in the upper half of the freshman class or get a score of 70 or above on the Selective Service College Qualification Test.

The deferred student must stand in the upper two-thirds of his sophomore class or score at least 70 on the Selective Service College Qualification Test in order to be entitled to continue as a junior; and while a junior he must either attain the standard set for the above test or stand in the upper three-fourths of his class in order to continue as a senior. A score of 70 or above in the Selective Service College Qualification Test will entitle a student to continue in school for the four years leading to a Bachelor's degree, provided he continues to attend college during the regular school year.

Reports must be made to draft boards at regular intervals concerning the status of men whose military service has been deferred while they attend college. It should be remembered that any deferment after the first statutory deferment is optional with the local selective service boards.

INFORMATION FOR VETERANS:

Fort Lewis A & M College is approved by the Veterans Administration for the training of both Korean and World War II Veterans. Provision has been made to help ex-service men and women obtain the benefits to which they are entitled. The Registrar will gladly answer questions about admission, credit for training in the armed services, college courses, and programs of study.

Veterans who are eligible for such benefits may obtain the first two years of their college work at Fort Lewis A & M College. Application for these rights should be made at the nearest Veterans Administration Office. This application should be made just as soon as the veteran has definitely decided where he wants to go to college and what course he wishes to pursue, so that his file can be set up and a "Certificate for Education and Training" can be issued prior to the opening of school.

All educational work done by the veteran while in active service will be evaluated and credit given where possible.

INDIAN STUDENTS:

Fort Lewis A & M College is an accredited State Institution of Higher Learning. Under a stipulation of the Federal Government, all Indian students are able to attend this College tuition free.

SERVICES TO STUDENTS

LIVING ACCOMMODATIONS:

Residence halls are furnished with the necessary bedding and essential furniture. All decorative equipment, radios, etc., must be provided by the student. Parietal rules of occupancy for each residence hall, as established by the college, must be adhered to.

General Policy:

The College provides extensive housing facilities for its students. Residence halls are supervised by resident counselors. All freshman women not living at home are required to live in the college residence hall. All sophomore women not living at home are required to live in the college residence hall unless granted special permission by the Dean of the Faculty to live off the campus. Women students are not permitted to live in apartments.

Residence Hall For Women:

The women's dormitory, an attractive two-story building containing thirty double rooms, will accommodate sixty students. A covered arcade connects the dormitory with the Student Union Center. Laundry and storage facilities are conveniently located in the residence hall.

Residence Hall For Men:

Living accommodations are provided for men in two dormitories. Each dormitory unit will house sixty students. These units are attractive two-story buildings, each containing thirty double rooms. They are connected to the Student Union Center by a covered arcade. Laundry and storage facilities are available in each building.

Housing For Married Students:

A twenty unit housing project, newly constructed and providing attractive, wholesome quarters for married students, is located on campus. These units are furnished with the essential bedroom and kitchen furniture, including stoves and electric refrigerators. A central laundry room is available for all tenants. Married veterans of World War II and the Korean War are given priority. Next in priority are students with children.

STUDENT UNION CENTER:

The Student Union Center, an inviting two-story building, housing the dining hall and other student facilities, is conveniently located between the dormitories and the main classroom building. Meals are served to boarding students in the dining hall. Those who do not board may use the facilities of the dining hall by purchasing meal tickets, in advance, from the Business Office. A trained dietitian has supervision of the dining hall.

The College bookstore and snack bar are also located in the Student Union Center. Students may purchase all necessary books and supplies, as well as many personal items, from the bookstore.

A large lounge for the use and convenience of all students, meeting rooms and offices for student functions, are provided here.

STUDENT COUNSELING:

Each student at Fort Lewis is assigned to a faculty advisor on the basis of his vocational and major field interest. He becomes acquainted with his faculty advisor whose friendly interest helps him to solve personal problems and to plan and evaluate his college work as he goes along.

The student's advisor continues as such unless the student changes his major or asks to be transferred to someone else. In helping the student register, the advisor channels his assistance on the student's preferences, his previous record, and the test scores made on standard tests given during Freshman Orientation. He discusses and plans with the student the school or vocational choice to be selected when ready to leave Fort Lewis. The Director of Student Activities is also available as a counselor, and is in charge of assisting students in obtaining part-time jobs.

Fort Lewis A & M College invites any prospective student who desires clarification of his personal status in relation to college entrance to visit the Director of Admissions or the Registrar.

STUDENT HEALTH SERVICE:

The Student Health Service provides out-patient treatment for minor illnesses and injuries for all full-time students. Physical examinations are required, as a part of registration, early in the first semester of attendance.

Health Service is provided at the office of Dr. Leo W. Lloyd and Dr. Tullius W. Halley located at 2075 Main Avenue in Durango, Colorado. Illness will be reported to the Director of Student Activities who in turn will arrange for appointments with the Doctors. In emergencies the college will furnish transportation.

Medications most commonly used will be furnished the student at a minimum or at no cost. Special medications and hospitalization is a responsibility of the patient.

The Health Service is provided to the student without charge, and, therefore, is limited. A Health and Accident policy is made available to the student, on an optional basis, at a nominal premium which provides extensive coverage. Students are encouraged to purchase this insurance.

HEALTH AND ACCIDENT INSURANCE:

Fort Lewis A & M College offers a voluntary insurance program, underwritten by the Continental Casualty Company, designed to cover normal demands of accidental injury and hospitalization resulting from each such injury. In case of illness, a set amount is paid toward hospitalization. This insurance is available to the student upon payment of a nominal premium at the beginning of each semester, and for such payments he receives protection for a 12-month period.

All athletes who engage in intercollegiate sports are required to participate in an insurance program recommended by the National Junior College Athletic Association. For a fee of \$1.25, the athlete is insured up to \$5,000 for each injury incurred while engaged in recognized competition or while traveling to and from such a contest. This insurance policy carries a \$250 deductible clause; how-

ever, when used in conjunction with the standard student policy, it affords maximum protection to those students engaged in athletic competition.

SCHOLARSHIPS AND GRANTS:

A number of scholarships and grants are available to students of Fort Lewis A & M College, and pay the tuition of the recipient. Applications should be sent to the chairman of the Student Financial Aids Committee by May 1 of each year so that awards may be presented at High school Commencement Exercises.

JOINT HONOR SCHOLARSHIPS:

Fort Lewis A & M College is a participating institution in the Joint Honor Scholarship Plan, and these scholarships are honored by the College. To be eligible for these scholarships students must rank in the upper 25 per cent of their graduating class and must have attained an established minimum score on the American Council on Education Psychological Examination.

These scholarships are awarded for a four-year period with the recipient being able to transfer at the end of any term to any other participating institution if he is eligible to retain his scholarship.

The holders must maintain an accumulative average within the upper one-fourth of their respective classes in order to keep the scholarship from year to year. A year is to be considered the equivalent of two semesters.

RECOGNITION-OF-MERIT:

A student to be qualified for a Recognition-Of-Merit Scholarship must have ranked in the upper half of his class, must have demonstrated the capacity for leadership through activity participation, and should have the recommendation of his high school principal or superintendent.

The award is good for one year if the student maintains a 2.70 average in the first semester of his freshman year. This scholarship can be extended for another year if the student has had a cumulative average of 2.70 for the freshman year and maintains a 3.00 average in the sophomore year.

GRANTS:

A number of Athletic, Music, and Educational Grants are available. Athletic and Music grants are awarded to deserving students who have demonstrated particular ability in the fields of athletics or music.

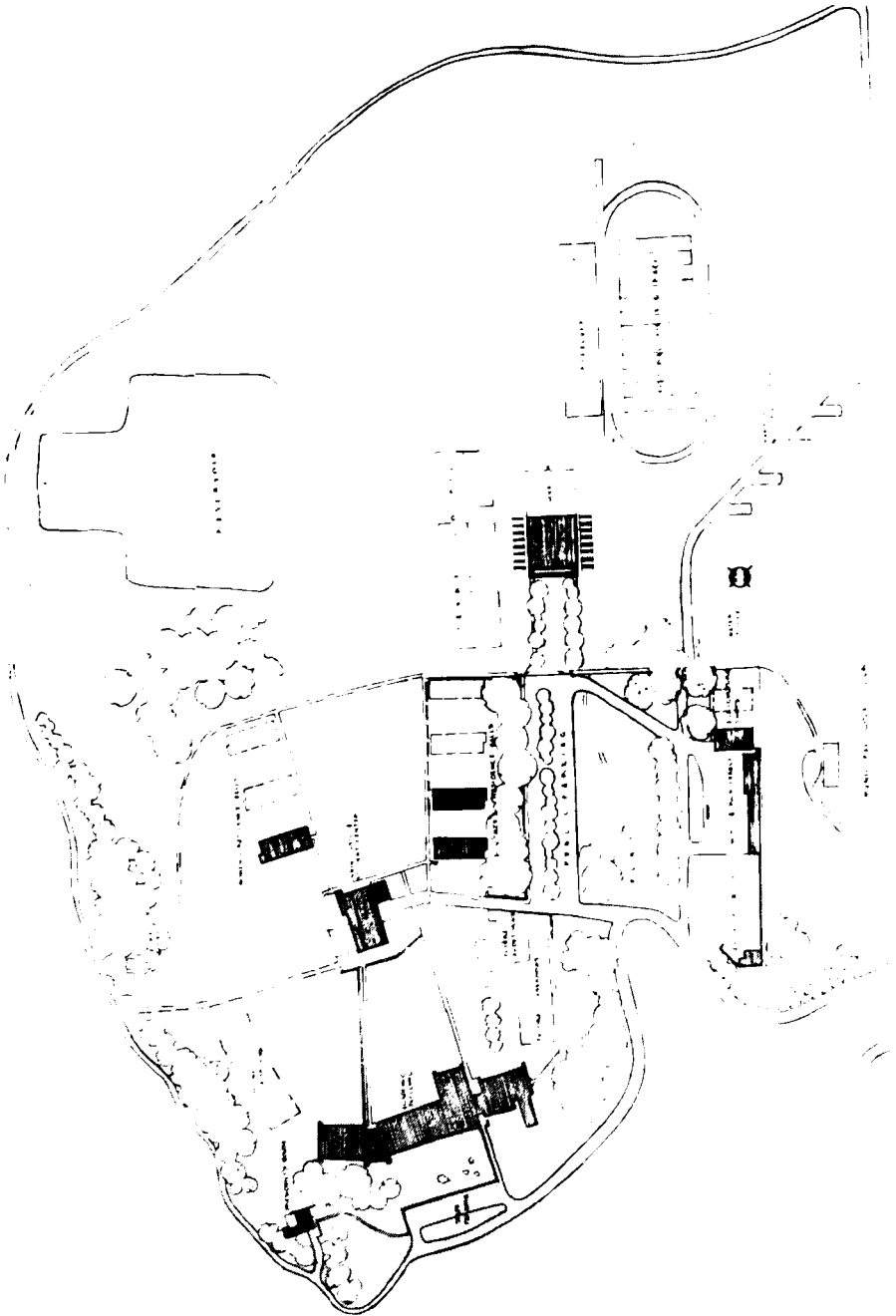
Educational grants are awarded on the basis of leadership, satisfactory scholarship, and actual need.

These awards are granted for a term of one year and may be extended for a second year.

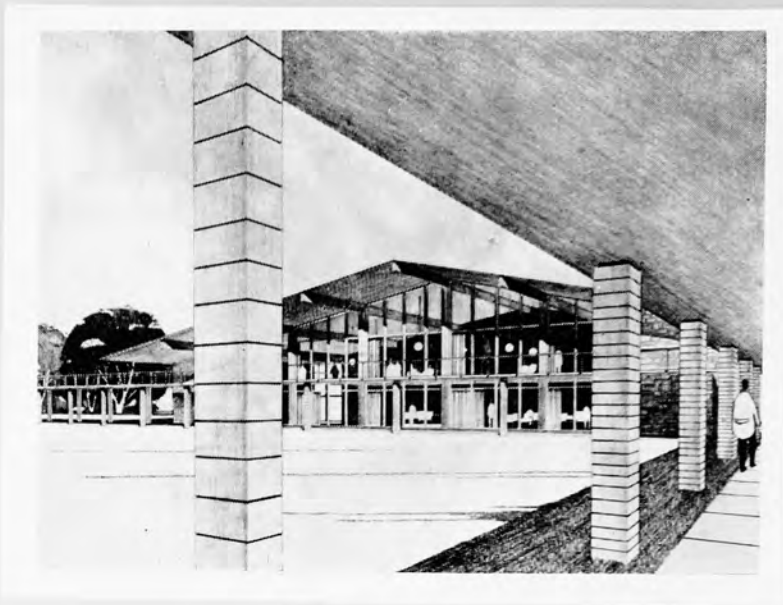
SPONSORED SCHOLARSHIPS:

All other scholarships are awarded on a basis of need as well as for scholarship and all-around ability. Letter of application should be sent to Fort Lewis A & M College.

American Association of University Women: One scholarship is available to a girl graduate of a San Juan Basin high school and is good for two years.



Fort Lewis A & M College Campus



Student Union Center



Dormitory



Gymnasium



La Plata Mountains From Campus



College Water Tower



Football Bowl Under Construction



College Greenhouse



Fort Lewis A & M College Bus



Herd on the College Farm



College Dairy



Registration



Home Economics Class

Cortez Lions Club: One scholarship is available to a graduate of Montezuma County High School and is good for one year.

Cortez Rotary Club: One scholarship is available to a graduate of Montezuma County High School and is good for one year.

Durango Herald-News: One scholarship is available to a graduate of a San Juan Basin high school and is good for one year.

Durango Lions Club: One scholarship is available to a graduate of the Durango High School and is good for one year.

Durango Rotary Club: Two scholarships are available to graduates of Durango High School and are good for one year.

First National Bank of Durango: A \$250 scholarship is available to a high school graduate in the Durango area. The recipient will be selected on the basis of scholarship, citizenship, leadership, athletics, and need.

O.E.S. Kensington Club: One scholarship is available to a graduate of a San Juan Basin high school and is good for one year.

Radio Station KIUP: One scholarship is available to a graduate of a San Juan Basin high school who wishes to pursue a course in speech or a related field, and is good for one year.

La Plata County Teacher's Association: One scholarship is available to a graduate of a La Plata County high school showing financial need and preferably one who is planning to major in elementary education.

Sally Ann Bakers "Holsum Bread" Scholarship: This scholarship is available for a deserving athlete and is good for one year and pays the tuition of \$50.00 per semester and a total of \$100.00 for the academic year.

Weidman Lumber: One scholarship is available to a high school graduate who is in need.

LOAN FUNDS:

Five funds have been established to give assistance to needy students: the Snyder Memorial Loan Fund, the Marie Ochsner Memorial Loan Fund, the Fort Lewis Alumni Loan Fund, Durango Kiwanis Club Loan Fund, and the Business and Professional Women's Loan Fund. The combination of all loan funds is known as the Fort Lewis Loan Fund. Money may be borrowed by worthy students after the completion of one semester's work. Formal application must be made to the Student Financial Aids Committee.

EMPLOYMENT OPPORTUNITIES:

A limited number of campus jobs are available for students. Students wishing to work on campus should apply for work at the employment table on registration day.

The college has established an employment service to assist students in obtaining off-campus work and placement of its graduates who seek permanent positions. This service is available to students at all times.

AWARDS:

Each fall an Honors Convocation is held, at which time honor keys are presented to sophomores for outstanding scholarship during their freshman year.

Several outstanding graduates are awarded scholarships to senior colleges at commencement.

The phrase "cited for scholarship" will be recorded on permanent record cards of full-time students who achieve at least a scholastic average of 3.30 during a semester.

LIBRARY:

Serving every department of the college as an central unit of instruction, the library provides ever increasing facilities for research as well as for general reading. It is open 51 hours per week during the regular school term.

The book collection contains 14,572 volumes. In addition there are 3,215 volumes of periodicals and more than 11,000 pamphlets.

The library has a notable and growing collection of Southwestern Literature and archaeological material about the San Juan Basin. It is staffed by a professionally trained librarian, plus an adequate number of student assistants.

EXPENSES*
GENERAL FEES:

Effective, September 1956

Tuition (includes five dollar registration fee)	
Per Semester	\$50.00
Students registered for fewer than 12 hours will be allowed a deduction at the rate of \$4.50 per credit hour with a minimum fee of	\$15.00
Non-Resident Tuition (paid in addition to resident tuition)	
Per Semester	\$15.00

REGULATIONS GOVERNING IN-STATE AND OUT-OF-STATE TUITION STATUS

A student is classified as an in-state or out-of-state registrant for tuition purposes at the time he is granted admission. The classification is based upon information furnished by the student and all other available relevant evidence. After the student's status is determined it is rarely changed. The student who, due to subsequent events, becomes eligible for in-state tuition must make formal application for change of status.

Qualification for in-state tuition requires both (1) adoption of the state as a fixed and permanent home, and involves personal presence within the state at the time of such adoption, together with the intention of making Colorado the true home; and (2) residing within the state while not attending school for twelve consecutive months immediately prior to the date of enrollment. These requirements must be met by either (a) the father, mother,

*The State Board of Agriculture reserves the right to change any fee at any time without formal notice, whenever conditions warrant such change.

or guardian of the student who is a minor; or (b) the male student or unmarried woman student if over 21; or (c) the husband of a married woman student; or (d) the emancipated minor.

The residence of a minor is that of the parents except in the rare cases of emancipation. The residence of the father during his life, and after his death the residence of the mother, is the residence of the minor. If the father and the mother have separate places of residence, the minor takes the residence of the parent with whom he makes his home, or to whom he has been assigned by court order. If neither of the parents is living, the minor takes the residence of a legally appointed guardian, if any, but cannot be regarded as an in-state student for tuition purposes until the expiration of twelve months after such appointment.

A minor student whose parents move their residence from Colorado to a location outside of Colorado shall be considered to be an out-of-state student after twelve months from the date of the parents' removal from the state.

In the event that emancipation is established, the minor assumes all responsibilities of an adult and must have been in residence in the state for twelve consecutive months while not in school before he may attain in-state status.

An in-state student, if 21 years of age or over, is (1) one who has resided in Colorado while not attending school for twelve consecutive months or more immediately prior to enrollment, or (2) one whose parents have resided in the state for the required time (or so resided at the time of their death) and who has not himself acquired residence in another state, or (3) one who has been under an annual teaching contract in the state, having completed the obligations under this contract, and who intends to make Colorado his permanent home.

No person shall be presumed to have gained or lost in-state status in this state while a student or while serving in the armed forces.

The residence status of a wife for tuition purposes is presumed to be that of her husband. An out-of-state woman student may attain in-state status through marriage; an in-state woman student may lose this status through marriage.

Dependents of persons whose legal residence is permanently established in Colorado may continue to be classified as in-state students so long as such residence is maintained even though circumstances may require extended absences of said person from the state.

A student from another state who comes to Colorado and immediately enrolls for a full program or substantially a full program in any type of institution of education will be presumed to be here primarily for an education and will be considered not to have established in-state status for tuition purposes. Continued residence in Colorado during vacation periods or occasional periods of interruption to the course of study do not of themselves overcome the presumption.

Ownership of Colorado real estate by an out-of-state student or his parents or guardian will not in itself entitle the student to in-state tuition. Acquisition of real estate by an out-of-state student, even though it be occupied as a residence while a student, shall not in itself qualify him as an in-state student. Voting in elections, obtaining driver's licenses, hunting, fishing and other licenses, or part-time or full-time employment while a student in Colorado do

not in themselves qualify the student for in-state tuition. All such matters will be considered in determining the true intent of the person claiming Colorado residence.

A student who willfully gives wrong information to evade payment of out-of-state tuition shall be subject to serious disciplinary action.

The final decision regarding tuition status rests with the institution.

Associated Students fee (covers all student sponsored activities)
Per Semester\$21.75

Cadet fee (pays for the student's copy of the year book, collected at the beginning of the semester upon registration).....\$5.00

Students registered for fewer than 6 credit hours will not be assessed the Associated Students fee or Cadet fee.

SPECIAL FEES:

Late Registration	\$ 2.50
Fee for schedule change requested by the student	\$ 1.00
Special Examination Fee	\$ 3.00
Transcript of Credits (the first one is free)	\$ 1.00
Applied Music (in addition to regular tuition):	
One half-hour lesson per week (voice or instrumental)	
Per Semester	\$22.50
Two half-hour lessons per week (voice or instrumental)	
Per Semester	\$37.50
*Laboratory Fees—per semester	\$10.00
Graduation Fee	\$ 5.00
Graduation in Absentia Fee	\$10.00

Charges for Audit Courses shall be at the regular tuition rate. Information concerning Audit Courses may be obtained from the Registrar.

DEPOSITS:

Room deposit	\$10.00
Apartment Deposit	\$20.00
(Any unused portion of these deposits shall be returned.)	

RESIDENCE HALLS:

Board—per semester	\$215.00
Room—per semester	\$ 90.00
Total	\$305.00

MARRIED STUDENT HOUSING**

One-bedroom apartment—per month	\$45.00
Two-bedroom apartment—per month	\$55.00
Rental rates do not include any utilities, except water. Gas and electricity are provided by the local utility companies on a metered basis to each apartment.	

*Laboratory fees are assessed for all students who are enrolled in Chemistry, Physics, Biology, Welding, and Handicraft.

**Rates are effective upon occupying of the dormitory and housing units, on the new Durango Campus.

FEE REGULATIONS**Payment of fees**

All tuition, fees, and deposits for the semester, are payable at the time of registration—the first day of each semester. Registration is not considered completed, and attendance in classes will not be permitted, until the student has met his financial obligations in full.

*Room and Board charges are payable at the time a student moves into the dormitory. Upon proper request to, and recommendation by, the Business Manager, a student may make arrangements to pay board and room charges in two installments over each semester.

Refund of Tuition and Fees

A student withdrawing the first calendar week of the semester may obtain a refund of all fees except the \$5.00 registration fee. A student withdrawing after the first calendar week may have one-half of the tuition and fees refunded. No refunds will be made after three calendar weeks from the date of registration.

Refund of Residence Hall Fees

A student dismissed from college as a result of official disciplinary action will automatically forfeit all fees. In the event that a student officially withdraws from college in a status of good standing, residence hall fees will be refunded on a pro-rata basis.

All refunds will be made not later than three weeks after the end of the term in which a student has terminated his work at the college.

AVERAGE COST FOR ATTENDING FORT LEWIS A & M FOR ONE YEAR

Tuition	\$100.00
Student Fees	\$ 48.50
Laboratory Fees	\$ 10.00
Room Deposit	\$ 10.00
Room	\$180.00
Board	\$430.00
	\$778.50

The amount of money spent in a school year (two semesters) by a student for all other expenses varies according to current prices, and the habits of the individual student. Cost of books, supplies, and equipment will vary from approximately \$50.00 per year for the General Arts and Science Major to about \$100.00 per year for the Engineering Major.

Each student should provide for additional funds to cover such expenses as cleaning, laundry, clothing, amusements, etc. Students planning on attending college should so arrange their finances that they will arrive on campus with sufficient financial resources to insure successful completion of at least one semester.

For the student who lives at home, the average cost for tuition, fees, and books will be approximately \$225.00 per year.

*Rates are effective upon occupying of the dormitory and housing units, on the new Durango Campus.

VETERANS BENEFITS:

Fort Lewis A & M College has been approved by the Veterans Administration for the training of veterans under Public Laws 16, 550, or 894. They have all the rights and privileges of any of the students; however, they are required by the Veterans Administration to follow its rules and regulations. Veterans under Public Law 550 pay their own tuition and fees and purchase books and supplies from their own funds. They must present their "Certificate for Education and Training" to the Registrar on registration day and are responsible each month for filling out and signing a "Certificate of Training" form on the last day of the month and turning it in to the Registrar.

Veterans under Public Laws 16 and 894 who have established their eligibility with the Veterans Administration, and present their "Certificate of Eligibility" to the Registrar, will be permitted to register without payment of tuition or fees. Those who have not received their "Certificate of Eligibility" will pay fees as a non-veteran, but will be refunded all costs of instruction covered by their "Certificate of Eligibility" at the time of its presentation.

All veterans who are considering using their veterans benefits at Fort Lewis A & M College should consult with the Registrar prior to registration.

STUDENT ORGANIZATIONS AND ACTIVITIES

Fort Lewis A & M College has a full, well-rounded calendar of social activities for the year. This calendar is planned and prepared by the student social committee representing the student body.

The extra-curricular activities range from those mentioned later in this section to the informal dances, picnics, parties, and other affairs which have become a tradition on campus. Among the many traditional affairs are the Fall Mixer, Honors Convocation, Homecoming, quarterly formals, and Commencement. Student assemblies are held periodically for the purposes of recreation and information, and prepared programs are presented by student groups and by speakers or performers drawn from outside the campus. The greatest portion of the total cost of extra-curricular activities is covered by the regular student activities fee.

STUDENT GOVERNMENT:

The affairs of the student body are managed by the Student Council, consisting of specially elected officers, together with presidents and vice-presidents of classes and representative groups. Acting as the executive committee of the student body, the Student Council considers all problems brought before it, and presents its findings to the general assembly of the students. Faculty advisors are ex-officio members of the Student Council and other agencies of student government.

BAND:

Membership in the college band, which makes several public appearances during the school year, is open to all students who are interested and sufficiently advanced in any band instrument.

CHORUS:

The chorus presents frequent programs of varied interest during the school year, and membership is open to all interested and qualified students. During the year the chorus makes a tour of the San Juan Basin.

RIFLE CLUB:

The Campus Rifle Club is a member of the National Rifle Association. Both indoor and outdoor rifle ranges are located on the campuses. The outdoor range has been constructed for large and small bore weapons, and adjoining the large caliber area is a pistol range. The indoor range is restricted to .22 caliber weapons. Membership in the Rifle Club is open to all students.

DRAMATICS CLUB:

The Dramatics Club is open to all students. Plays are given throughout the year at student assemblies and on community occasions. Participants not only develop their acting abilities, but also learn some principles of costuming, stage design, and make-up.

RADIO PROGRAMS:

Station KIUP, which serves the San Juan Basin Area, allots weekly program time to Fort Lewis A & M College for the presentation of programs in the public interest. Student participation is encouraged.

SMOKE SIGNALS:

The official Fort Lewis A & M College newspaper is edited and managed by the students. It provides practical experience in journalism for staff members.

CADET:

The Cadet is the Fort Lewis A. & M College yearbook published by a staff of students. This publication illustrates college activities and student life for the year. The staff members receive practical experience in planning, writing, editing, and the selling of advertising.

THE ALUMNI ASSOCIATION:

All students who have been regularly enrolled at Fort Lewis are members of the Fort Lewis Alumni Association, which promotes the welfare of the college by uniting former classmates. Alumni are invited to participate in homecoming activities.

INTERCOLLEGIATE ATHLETICS:

Fort Lewis A & M College is a member of the Empire States College Conference and National Junior College Athletic Associa-

tion. After two years of participation in this Conference, athletes are still eligible for two more years of competition in four-year colleges or universities. The intercollegiate athletic program is under the supervision of the Athletic Committee composed of faculty members. For information on insurance see section on insurance under "Services to Students."

SENIOR DAY:

On the annual Senior Day, Fort Lewis students and faculty are hosts to seniors from all San Juan Basin high schools. The program for the day includes games, picnics, athletic exhibitions, social dancing, and a major performance by the college dramatic club. Future college students have an opportunity to become acquainted with the Fort Lewis Campus, the faculty, and student body.

ACADEMIC INFORMATION

HOW TO ENROLL AT FORT LEWIS:

1. Write now for an application blank, and if you desire a catalog send your letter to the Dean of Faculty, Fort Lewis A & M College, P. O. Box 1104, Durango, Colorado. In the letter tell whether you are entering from high school or have attended another collegiate institution, and state the courses of study you are considering. The Dean of Faculty will be glad to answer any questions you may have.
2. Fill out your part of the application form and give it to your high school principal to complete and return to the Dean of Faculty, Fort Lewis A & M College, P. O. Box 1104, Durango, Colorado. If you are transferring from another college send the application blank to Fort Lewis A & M College and ask your registrar to send a transcript to the College.
3. Immediately after receiving your Permit to Register make your reservation for housing if you desire to live on campus.
4. During the summer, you will be sent information about Freshman Orientation and registration.

HOW EARLY MAY ONE APPLY:

You may apply six months before the opening of the term in which you expect to enroll. If you are a high school senior, you should apply for admission during your last semester of high school. Provisional admission will be given on the three and one-half years of work and on the list of courses "in Progress."

REQUIREMENTS FOR ADMISSION:

Any graduate of an accredited high school who has completed fifteen acceptable units of high school work, including three units of English, is eligible for admission to the Freshman Class. Applications from graduates of an unaccredited high school will be passed upon according to the merits of the individual case.

Students transferring from other colleges may be admitted to advanced standing at Fort Lewis A & M College; however, they

must have a transcript of work completed at other colleges forwarded from the Registrar. Transferring students who expect to participate in athletics must request an official statement of the years of athletic participation charged against them to be sent with the transcript.

Veterans or adults who did not complete high school but are able to present a "High School Equivalency Certificate" will also be admitted as regular students.

Students not desiring regular college status may be admitted as special students at the discretion of the President and the Dean of Faculty.

DEFINITION:

Terminal: Students who do not intend to continue their formal education above the junior college level are designated as "terminal." The program of terminal students is governed by the division in which they wish to specialize.

Freshman: A student who has matriculated but who has not completed 30 semester hours of college work.

Sophomore: A student who has completed at least 30 semester hours of college work.

Part-time: A student who takes less than 12 semester hours of college work.

PLACEMENT TESTS:

Placement tests are given to new students before registration. These tests are required, but not in the sense that they are entrance examinations. Students do not "pass" or "fail" these tests, but instead they are used to determine interests and abilities.

The results are used for guidance purposes and to assist the counselor in advising and planning a course of study so that the student will get the most out of college.

Those who make low scores in the reading tests are required to take Remedial Reading during the first semester of their Freshman Year.

COURSES OF STUDY REQUIREMENTS:

The curriculum selected by the individual student depends upon his present interests and his future plans. The requirements of each curriculum have been determined in accordance with academic standards of college work. The curricula requirements of the student who later transfers to a senior college or university have been carefully selected to fulfill the requirements of the lower division of these institutions. Since many senior colleges and universities differ in their lower division requirements, students who plan to continue college work after leaving Fort Lewis A & M College should decide upon the college to which they will transfer and plan their course here so that they will meet the lower division requirements of the college of their choice.

AUDITING PRIVILEGES:

A student may register for auditing privileges in courses if he desires to attend the classes regularly, but does not wish to take

final examinations, receive grades, or credit. Auditors are required to pay fees at the same rate as if enrolled for credit. They must upon registration, declare themselves as auditors and may not change to credit basis after the first two weeks of the semester. A student enrolled for credit in a course may not change to an auditing basis in the same course after the first two weeks of the semester. When registering, a student may take both audit and credit courses, but the total should not exceed the normal load.

REGISTRATION:

After the student has fulfilled admission requirements, he will receive a notice that he has been accepted for admission. Registration materials will be available to him on registration day. Each regular and special student must go through the registration procedure, fill out all forms provided, and pay his tuition and fees at the appointed time.

The student should report in the college library at the time of registration. As soon as he enters the library, he will receive registration materials and the name of his adviser.

REMOVAL OF HIGH SCHOOL DEFICIENCIES:

Students with high school deficiencies should make arrangements to remove them during their freshman year. Fort Lewis A & M College offers certain courses for this purpose.

CREDIT ALLOWED FOR MILITARY SERVICE:

Credit will be allowed according to the recommendations established by the American Council on Education. One semester hour credit for required Physical Education will be granted for each semester in residence up to a maximum of four semester hours. Other credit will be given where possible.

CREDIT MEASUREMENT:

The unit of measurement for credit purposes is the semester hour. One semester hour is the equivalent of one hour of recitation, lecture, or a minimum of two hours laboratory work per week for one semester, unless otherwise specified in the course description. For each classroom hour of lecture or recitation two hours of preparation are expected.

GRADE AND QUALITY POINT SYSTEM

Official reports of grades is by letter only, as follows:

- A (Excellent)
- B (Good)
- C (Average)
- D (Poor, but passing)
- F (Failure)
- I (Incomplete)
- WP (Withdraw without prejudice)
- WF (Withdraw failing)

The grade of I means that the student's work in the course is excusably incomplete (for example, because of illness), and additional time has been granted. A grade I automatically becomes F if the

work is not completed during the subsequent semester for which the grade I was reported.

In computing a student's scholastic average, the following scale of quality points is used: A,4; B,3; C,2; D,1. The total number of quality points earned is divided by the total number of credit hours for which the student was registered, disregarding courses in which the grade of WP has been reported.

GRADE REPORTS:

Reports are sent out to parents or guardians at mid-semester and at the end of the semester. Self-supporting students over 21 years of age or married students, if they request it of the Registrar in writing, may have their reports sent to them instead of to their parents.

In November and April, mid-semester grade reports are due in the Registrar's Office for all students.

Students may on the following Wednesday obtain them from their advisor.

COURSE LOADS AND LIMITS:

The normal student load is sixteen semester hours. The minimum load for a full time student is twelve hours and the maximum eighteen hours. Only after a student has been in attendance at Fort Lewis for one semester and has shown marked ability, will he be permitted to take more than the maximum load, upon approval of the Registrar.

REPETITION OF COURSES:

If a student receives an "F" or "WF" in a required course, he must repeat the course. If a student fails he cannot take an advanced course in the same field until the course is taken again and passed.

If a student repeats a course, his official grade is the last one made. When a student has repeated a course in which he has previously obtained a passing grade, credit for the earlier grade on his record will be placed in parenthesis and hours attempted and grade points earned by the earlier grade will not be counted in the computation of the student's scholastic average. All hours of "F", "WF", however, will be counted.

SCHOLASTIC REQUIREMENTS:

Students whose scholastic averages fall below 1.25 on their semester report for the first semester of their freshman year and below 1.50 cumulative averages in subsequent semesters are subject to academic probation for the succeeding semester by the Admissions Committee. The action will be noted on the student's permanent record card and his parents so notified.

A student who is placed on academic probation can return to good standing by attaining the minimum requirement at the end of a semester, and on his permanent record card the date and phrase "Reinstated to Good Standing" will be recorded.

If a student on academic probation fails to improve his scholastic average during the subsequent semester, he will be suspended for a



"Aggies on the Air"



Fort Lewis College Players



Chorus



Archery



Rodeo Club



Lapidary Group



Queen and Attendants



Homecoming



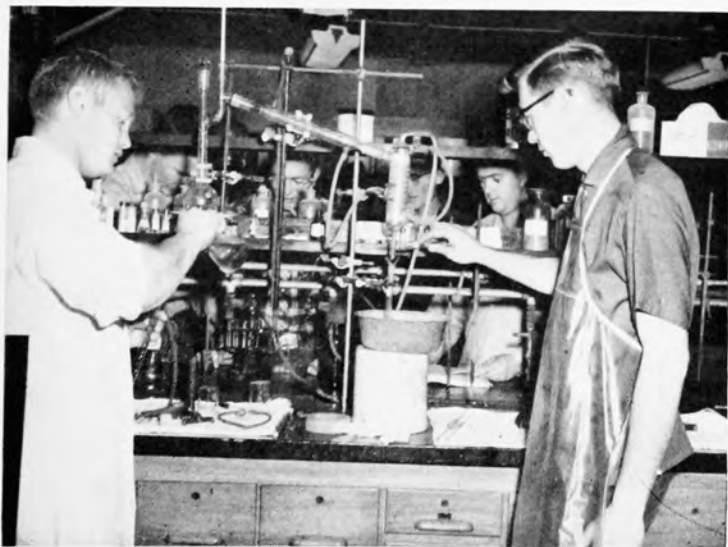
Winter Formal



Sport Hop



Typewriting Class



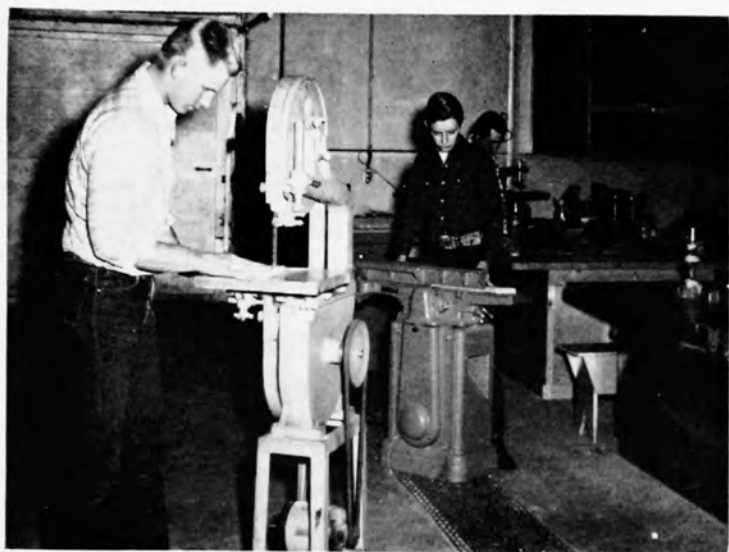
Chemistry Laboratory



Surveying



"Aggie" Cheerleaders



Industrial Arts Class



Human Anatomy Class

semester after which he may be allowed to re-enter on probation, and the action so noted on his permanent record card.

GRADUATION:

To graduate from Fort Lewis A & M College with a degree a student must:

1. Complete a minimum of 65 semester hours of work, including six hours of English Composition or equivalent and four hours of physical education (unless officially excused), and one hour of College Adjustment, unless the latter is waived.
2. Have obtained a cumulative 2.0 quality point average ("C" average).
3. Satisfy the requirements of the curriculum selected.
4. Satisfy all general and specific requirements of Fort Lewis A & M College which pertain to him, including the fulfillment of all financial responsibilities.
5. Have removed from his record all marks of deficiency in those subjects for which he expects credit for graduation.
6. Be in attendance at Baccalaureate and Commencement exercises (unless course requirements are completed at the end of the first semester or unless officially excused by the Dean of Faculty and has paid the Graduation in Absentia fee.)

The student may graduate under the catalog requirements for the year in which he registered at Fort Lewis A & M College for the first time. If more than three years are required, he must fulfill the requirements of the current catalog. The student is solely responsible for knowing the rules and regulations concerning graduation requirements and for registering for the courses necessary to meet specifications for the degrees or certificate.

DEGREES—CERTIFICATE

Fort Lewis A & M College grants the degrees, Associate of Arts, Associate of Science, Associate of Applied Science, and a Two-Year Certificate.

The Associate of Arts Degree or Associate of Science Degree is granted to students who meet the general requirements for graduation and the specific requirements of the lower division curriculum selected. A maximum of ten semester hours in terminal courses will be allowed toward the degree if approved by the student's adviser, excluding College Adjustment credit.

The Associate of Science Degree is conferred upon successful candidates in the curricula of General Agriculture, Animal Husbandry, Forestry, Engineering, Agricultural Engineering, Geology, Chemistry, Medical Technology, Pharmacy, Pre-Medicine, and Pre-Veterinary Medicine. The Associates of Arts Degree is awarded upon successful completion of all other two-year academic curricula.

The Associate of Applied Science Degree is granted to students who complete the general requirements for graduation and specific requirements of the terminal education curriculum selected.

The Two-Year Certificate is granted to students having a 1.50 cumulative scholastic average and who have completed a minimum of 65 semester hours. In addition, students must meet the conditions as stated in points 4, 5, and 6 under Graduation on the preceding page.

GRADUATION WITH HONORS:

The requirements for degrees or certificates with honors are as follows:

With Highest Honors—grade point average of 3.90 or above.

With High Honors—grade point average of 3.75 but less than 3.90.

With Honors—grade point average of 3.30 but less than 3.75.

To be eligible for honors the student must have earned at least 30 semester hours in residence at Fort Lewis.

EXTENSION COURSES:

Extension courses are organized in communities in which there is a demand for such courses. Offerings depend on the number of students desiring the course, the availability of an instructor, and classroom facilities.

Credits for extension work toward the Associate of Arts Degree will apply only when the student has matriculated as a regular student to work toward the degree.

SUMMER MUSIC CAMP:

The Fort Lewis A & M College Music Camp is held each June on the campus. The purpose of the camp is to provide a highly stimulating musical experience for the junior and senior high school students of the area.

The Music Camp faculty is headed by men of national and regional reputation, and this specialized staff is augmented by outstanding high school directors of the basin.

The camp offers, at a nominal cost, a well-rounded program which includes concert band, orchestra, chorus, small ensembles, private lessons, and recreational activities.

A concert of the band, orchestra, and chorus terminates the Music Camp and is open to the public.

GENERAL REGULATIONS

LATE REGISTRATION:

A student is required to pay a late registration fee for registering after the regularly appointed registration day. The student registering late will be required to make up all work he has missed.

No student will be permitted to register for a normal class schedule after the second week of any semester.

Each day missed will be counted as an absence unless the work is made up before mid-semester.

CHANGE OF PROGRAM:

The college reserves the right to cancel a class if enrollment in that class is not deemed sufficient. A fee of \$1.00 will be charged to a student for any change in registration, the only exception being the College's acceptance of the responsibility for the change of program.

For any change of registration, a student must make arrangements with his advisor, the instructors concerned, and the Registrar.

ADDING A COURSE:

No new course for credit may be added to student's program after the first week of class sessions of each semester except with a written request and approval of the instructor whose new class is involved, and in no case later than the beginning of the third week of regular class sessions of each semester.

DROPPING A COURSE:

A course may be dropped without discredit by any student during the first two weeks of class sessions in any semester, except students in their first semester of college attendance who have until the end of the seventh week. After the expiration of these time limits, a grade of "WF" will be reported in a course which is dropped unless the student appears before the Admissions Committee and validates his reason for dropping the course, in which case a grade of "WP" may be reported. A grade of "F" will be given a student who drops a course within two weeks of the end of a semester unless the student appears before the Admissions Committee to show cause.

WITHDRAWAL FROM COLLEGE:

A student who desires to withdraw from college must first obtain the necessary withdrawal form from the Registrar. Withdrawal will be permitted only after the student has obtained clearance from his class instructors, the librarian, hostess or proctor of the dormitory, and the business manager. For a student who is dropping all courses and withdrawing from college, the grade in each course will be designated as "WP" or "WF" as the case may be.

Students who withdraw from college without obtaining from the Registrar the official withdrawal form, completing it, and returning it to the Business Office will receive a grade of "F" in all courses affected and forfeit all deposits.

STUDENT REGULATIONS:

Students with cars on the campus must register them at the Registrar's Office.

Hours have been established for the residence halls and students are expected to abide by them.

The College expects that students will conform to the recognized standards of order, morality, good conduct, and generally satisfactory citizenship; that they will give serious attention to their college work and that they will not absent themselves unnecessarily from any class or exercise at which their attendance is required.

Students who are idle, disorderly in conduct or persistently negligent in their work are subject to disciplinary action and may be dropped from the College.

CLASS ATTENDANCE:

Regularity of attendance is necessary in order to profit by the work in a course. A student is allowed only one unexcused absence for each credit hour in the course.

EXAMINATION POLICY:

- (1) A student absent from an examination without an excuse from the Dean of Faculty receives a grade of O for the examination.
- (2) Every student is required to take each of his examinations at the scheduled time and place in order to receive credit.
- (3) A student absent without an excuse from an announced hourly quiz in final examination will be charged the three dollar special examination fee if allowed to take a make up test by the Dean of Faculty.

TRANSCRIPTS:

When a student requests a transcript for the purpose of transferring to another college or university, his status is reported on it. A student whose scholastic average is above the minimum required by this College and has obtained the necessary clearances will receive on his transcript a notation to the effect that he is in "Good Standing." A student who is on probation, under suspension, or has been dismissed will have such information specified on the transcript as to whether the action was taken for academic or disciplinary reasons. Transcripts of credit cannot be issued until all accounts with the college are settled.

The first transcript is supplied free of charge. A fee of \$1.00 will be charged for all subsequent ones.

NUMBERING AND LETTERING SYSTEM USED

Letter Abbreviations

Ag	Agriculture
BS	Biological Science
B	Business
C	Chemistry
Ed	Education
E	Engineering
EL	English Language and Literature
FL	Foreign Languages
G	Geology
HE	Home Economics
IA	Industrial Arts
M	Mathematics
Mu	Music
P	Philosophy
PE	Physical Education
Ph	Physics
SS	Social Studies

Numbering System

Terminal Course numbers are prefixed with.....	0
Lower Division Courses.....	1-99
Freshman Courses	1-49
Sophomore Courses	50-99

The letter "L", following a course number, indicates a laboratory period in conjunction with the particular course.

Meaning of Numerals

I, means First Semester; II, Second Semester. The number of credits which a specific subject carries and the number of clock hours spent in class each week are indicated as follows: (3-4) 5. The figure outside the parentheses indicates the number of credits per semester, the first figure inside the parentheses indicates the number of lectures or recitations each week, and the second figure inside the parentheses indicates the number of clock hours spent in laboratory each week.

COURSES OF STUDY

Lower Division college work is offered in the four major areas of Agriculture, Business, Engineering, and Arts and Sciences. Within the field of Agriculture, students may major in general agriculture, animal husbandry, forestry and range management. In the Business field, a student may take work in Business Administration or Secretarial Science. In Engineering, work may be taken in agricultural, civil, electrical, or mechanical engineering. Arts and Sciences offers specialization in chemistry, education, geology, home economics, industrial arts, music, physical education, pre-law, pre-medicine, pre-nursing, pre-pharmacy, pre-veterinary, and general arts and science. Terminal Vocational courses are offered for those students who are not planning to take a four year program. These courses are offered in the fields of Practical Agriculture, Secretarial Science, Terminal Engineering, Terminal Home Economics, and Vocational Business Administration.

NOTE: Since course requirements in all colleges vary with time and demand, the administration of Fort Lewis A & M College reserves the right to alter the course listings where curriculum research deems it necessary.

LOWER DIVISION COLLEGE:

Courses of study for students planning to major in either Agriculture, Business, Engineering, or Arts and Sciences are outlined on the following pages.

ALL FRESHMEN MUST REGISTER FOR ENGLISH COMPOSITION. ALSO REMEDIAL READING MUST BE INCLUDED IN THE FIRST SEMESTER BY THOSE STUDENTS WHO DO NOT MAKE A PASSING GRADE IN THE READING ORIENTATION EXAMINATION.

ALL FRESHMEN (NEW STUDENTS: NO PREVIOUS COLLEGE, AND TRANSFERS OF LESS THAN FULL SOPHOMORE RANK) ARE REQUIRED TO TAKE COLLEGE ADJUSTMENT. THE ONLY EXCEPTIONS ARE RETURNING FRESHMEN WHO HAVE TAKEN THE ADJUSTMENT COURSE AT FORT LEWIS A & M COLLEGE. ALL STUDENTS ARE REQUIRED TO TAKE TWO YEARS OF PHYSICAL EDUCATION—EXCEPT VETERANS, WOMEN STUDENTS OVER 25, OR STUDENTS WHO ARE EXCUSED FOR HEALTH REASONS UPON PRESENTATION TO THE DEAN OF FACULTY OF A WRITTEN REQUEST FROM THE COLLEGE PHYSICIAN.

AGRICULTURE

FRESHMAN YEAR

		Hours	Credits
First Semester			
Ag-17	Introductory Animal Husbandry	(3-2)	4
EL-3	Freshman English	(3-0)	3
BS-21	General Botany	(3-3)	4
C-1	Introductory Chemistry	(3-0)	3
C-1L	Introductory Chemistry Laboratory	(0-3)	1
Ed-1	College Adjustment	(1-0)	1
PE-1	Men's Physical Activity	(0-2)	1
			17

		Hours	Credits
Second Semester			
EL-4	Freshman English	(3-0)	3
Ag-40	Farm Machinery	(2-3)	3
BS-22	General Botany	(2-3)	3
C-2	Introductory Chemistry	(3-0)	3
C-2L	Introductory Chemistry Laboratory	(0-3)	1
Ag-16	Elements of Dairying	(1-2)	2
PE-2	Men's Physical Activity	(0-2)	1
			16

GENERAL AGRICULTURE

SOPHOMORE YEAR

		Hours	Credits
First Semester			
BS-75	General Bacteriology	(2-3)	3
Ag-80	General Poultry	(2-2)	3
BS-9	Introduction to Zoology	(3-3)	4
SS-55	Principles of Economics	(3-0)	3
Ag-1	Crop Production	(2-2)	3
PE-51	Men's Physical Activity	(0-2)	1
			17

		Hours	Credits
Second Semester			
BS-52	Applied Entomology	(2-3)	3
Ag-74	Feeds and Feeding	(2-3)	3
Ag-54	General Horticulture	(3-2)	3
Ag-60	Soils	(3-2)	4
PE-52	Men's Physical Activity	(0-2)	1
	•Electives		3
			17
			67

Students may elect Elementary Woodworking or Welding.

ANIMAL HUSBANDRY

SOPHOMORE YEAR

First Semester		Hours	Credits
Ag-1	Crop Production	(2-2)	3
BS-9	Introduction to Zoology	(3-3)	4
C-66	Fundamentals of Organic Chemistry	(3-6)	5
EL-61	Speech	(2-0)	2
SS-55	Principles of Economics	(3-0)	3
PE-51	Men's Physical Activity	(0-2)	1
			<hr/>
			18

Second Semester		Hours	Credits
Ag-74	Feeds and Feeding	(2-3)	3
M-11	Intermediate Algebra	(3-2)	3
Ag-68	Livestock Judging	(0-3)	1
Ag-54	General Horticulture	(2-2)	3
Ag-60	Soils	(3-2)	4
PE-52	Men's Physical Activity	(0-2)	1
	Electives		3
			<hr/>
			18
			<hr/>
			69

NOTE: Students wishing to major in Agronomy will in their sophomore year follow the curriculum of the college to which they expect to transfer.

FORESTRY AND RANGE MANAGEMENT

A college course in this field of specialization prepares qualified candidates for professional employment, either with various governmental agencies or with private enterprise, in forest management, forest industries, forest recreation, game management, range management, and grazing. Since the field is limited, colleges impose special requirements on students; reference is made to those set forth as typical in the Bulletin of the Colorado A. & M. College, Fort Collins, Colorado, including the requirements of practical field instruction during residence in an organized summer camp.

FRESHMAN YEAR

First Semester		Hours	Credits
EL-3	Freshman English	(3-0)	3
BS-21	General Botany	(3-3)	4
M-11	Intermediate Algebra	(3-2)	3
C-1	Introductory Chemistry	(3-0)	3
C-1L	Introductory Chemistry Laboratory	(0-3)	1
Ed-1	College Adjustment	(1-0)	1
PE-1	Men's Physical Activity	(0-2)	1
			16
Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
C-2	Introductory Chemistry	(3-0)	3
C-2L	Introductory Chemistry Laboratory	(0-3)	1
M-12	Trigonometry	(3-0)	3
BS-22	General Botany	(2-3)	3
BS-36	Principles of Conservation	(2-0)	2
PE-2	Men's Physical Activity	(0-2)	1
			16

SOPHOMORE YEAR

First Semester		Hours	Credits
E-51	Elementary Surveying	(0-6)	3
BS-9	Introduction to Zoology	(3-3)	4
G-11	General Geology	(3-3)	4
C-65	Fundamentals of Organic Chemistry	(3-6)	5
PE-51	Men's Physical Activity	(0-2)	1
			17
Second Semester		Hours	Credits
E-56	Basic Mapping	(0-6)	2
G-12	General Geology	(3-3)	4
Ag-60	Soils	(3-2)	4
EL-61	Speech	(2-0)	2
PE-52	Men's Physical Activity	(0-2)	1
	Electives		4
			17
			66

ENGINEERING

The customary divisions of the field of engineering are Agricultural, Civil, Electrical, and Mechanical. Agricultural engineers are prepared to apply engineering principles to such agricultural problems as irrigation, drainage, soil erosion control, and development of housing and handling facilities for all types of livestock. Civil Engineering comprises such activities as highway engineering, structural engineering, and sanitary engineering. Electrical engineering deals with the application of electricity, its transmission and utilization. Mechanical Engineering relates to the design, construction, and operation of machinery and the use of machines in economic production, including such machinery as steam turbines, steam boilers, diesel engines, air-conditioning and refrigeration machinery, and new materials of construction. If orientation examinations indicate that a beginning student is inadequately prepared in mathematics he will be required to register for Intermediate Algebra and not be allowed to register for College Mathematics. This will mean that College Mathematics must be taken later.

FRESHMAN YEAR

First Semester		Hours	Credits
EL-3	Freshman English	(3-0)	3
M-21	College Mathematics I	(5-0)	5
Ed-1	College Adjustment	(1-0)	1
E-1	Mechanical Drawing	(1-6)	3
C-3	General Chemistry	(3-0)	3
C-3L	General Chemistry Laboratory	(0-6)	2
PE-1	Physical Activity	(0-2)	1
			18

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
E-2	Descriptive Geometry	(1-6)	3
M-22	College Mathematics II	(5-0)	5
C-4	General Chemistry	(3-0)	3
C-4L	General Chemistry Laboratory	(0-6)	2
E-62	Engineering Problem Solution	(0-2)	1
PE-2	Physical Activity	(0-2)	1
			18

SOPHOMORE YEAR

First Semester

		Hours	Credits
Ph-53	General Physics	(3-4)	5
M-57	Differential Calculus	(5-0)	5
E-70	Mechanism	(2-3)	3
or			
E-51	Elementary Surveying	(2-3)	(?)
EL-21	Introduction to Literature	(3-0)	3
E-63	Engineering Problem Solution	(0-2)	1
PE-51	Physical Activity	(0-2)	1
			18

		Second Semester	Hours	Credits
Ph-54	General Physics		(3-4)	5
M-58	Integral Calculus		(5-0)	5
E-64	Applied Mechanics		(3-0)	3
E-52	Advanced Surveying		(2-4)	3
	or			
EL-22	Introduction to Literature		(3-0)	(3)
PE-52	Physical Activity		(0-2)	1
				<hr style="width: 100%; border: 0.5px solid black;"/>
				17
				<hr style="width: 100%; border: 0.5px solid black;"/>
				71

AGRICULTURAL ENGINEERING

FRESHMAN YEAR

FIRST SEMESTER		Hours	Credits
EL-3	Freshman English	(3-0)	3
M-21	College Mathematics I	(5-0)	5
C-3	General Chemistry	(3-0)	3
C-3L	General Chemistry Laboratory	(0-6)	2
PE-1	Men's Physical Activity	(0-2)	1
ED-1	College Adjustment	(1-0)	1
			15

SECOND SEMESTER

		Hours	Credits
EL-4	Freshman English	(3-0)	3
M-22	College Mathematics II	(5-0)	5
E-62	Engineering Problem Solution	(0-2)	1
C-4	General Chemistry	(3-0)	3
C-4L	General Chemistry Laboratory	(0-6)	2
Ag-40	Farm Machinery	(2-3)	3
PE-2	Men's Physical Activity	(0-2)	1
			18

SOPHOMORE YEAR

FIRST SEMESTER

		Hours	Credits
M-57	Differential Calculus	(5-0)	5
Ph-53	General Physics	(3-4)	5
BS-21	General Botany	(3-3)	4
E-1	Mechanical Drawing	(1-6)	3
PE-51	Men's Physical Activity	(0-2)	1
E-63	Engineering Problem Solution	(0-2)	1
			19

SECOND SEMESTER

		Hours	Credits
M-58	Integral Calculus	(5-0)	5
Ph-54	General Physics	(3-4)	5
E-64	Applied Mechanics	(3-0)	3
E-2	Descriptive Geometry	(1-6)	3
PE-52	Men's Physical Activity	(0-2)	1
			17
			69

NOTE: When possible students may elect Crop Production.

GENERAL ARTS AND SCIENCE

The General Arts and Science major offers students the opportunity to acquire a liberal education and to lay the foundation for professional or technical study.

As a basis for a liberal education, the curriculum for the General Arts and Science major is so arranged that students are expected to study the fundamentals of various broad fields of knowledge such as the biological sciences, the humanities, the physical sciences, and the social studies. This major also gives the student the opportunity to specialize in the fields of Pre-Law, Pre-Dentistry, Biology (General Biology, Botany, Bacteriology, Zoology), Secondary Education, English, Geology, Mathematics, Foreign Language, Physics, Psychology and Social Studies (History, Economics, Political Science, and Sociology).

All students majoring in General Arts and Science are required to complete 65 semester hours of work in the following fields of study in order to graduate.

College Adjustment.....	1
Biological Science	6 to 8
English Language	6
Humanities	6
Physical Education	4
Physical Sciences	6 to 8
Social Studies	6
¹ Foreign Languages	6 to 10
¹ Mathematics	6
² Electives	41 to 49 16 to 24

¹ Select either field of study.

² Electives are approved by the students' advisors.

Biological Sciences

Biological Sciences	Hours
BS-3, 4 General Biology	3
BS-9 Introduction to Zoology	4
BS-21, 22 General Botany	7
BS-36 Principles of Conservation	2

Psychology

Ed-53 General Psychology	3
Ed-54 Personality and Social Adjustment	3
Ed-62 Educational Psychology	3
Ed-66 Child Psychology	2

English Language

Freshman English	Hours
EL-3, 4 Freshman English	1
EL-51, 52 Intermediate Composition	4
EL-12 Vocabulary Building	2
EL-35 News Writing	3
EL-36 Advanced News Writing	3
EL-61, 62 Speech	4
EL-75, 76 Radio Production	4

Humanities

Literature	Hours
EL-21, 22 Introduction to Literature	6
EL-69, 70 Survey of English Literature	6

Foreign Languages

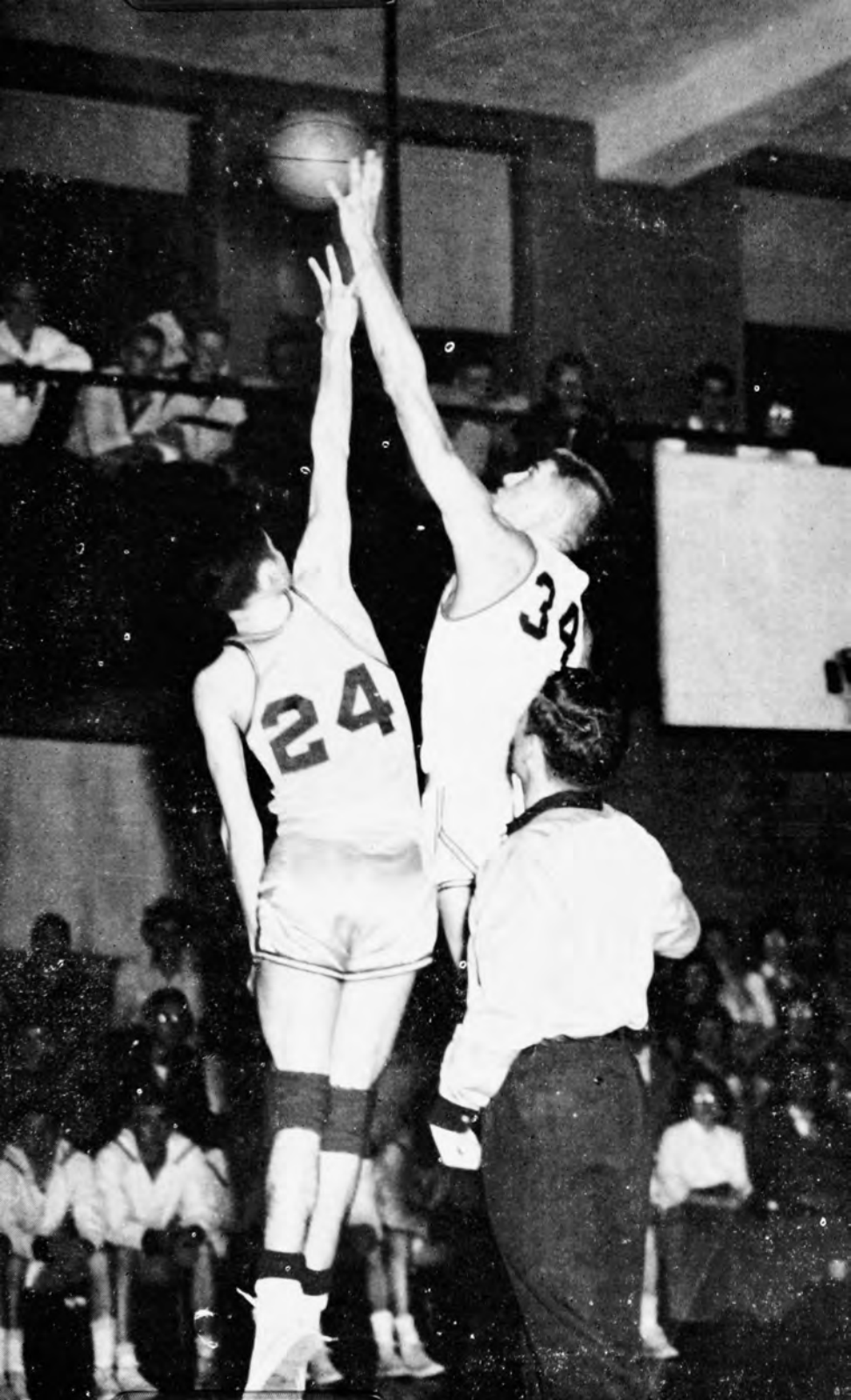
¹ FL-5, 6 First Year Spanish	10
¹ FL-55, 56 Second Year Spanish	6
² FL-15, 16 First Year German	10
² FL-65, 66 Second Year German	6

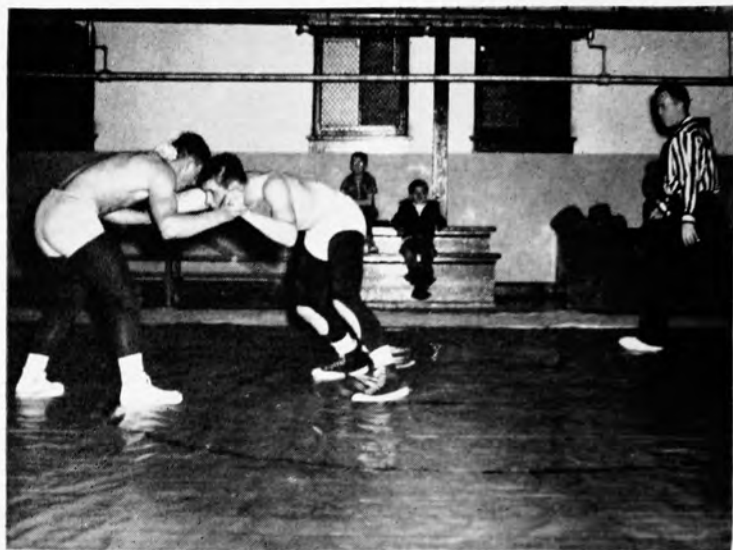
Music

Mu-15, 16 Introduction to Musical Literature	4
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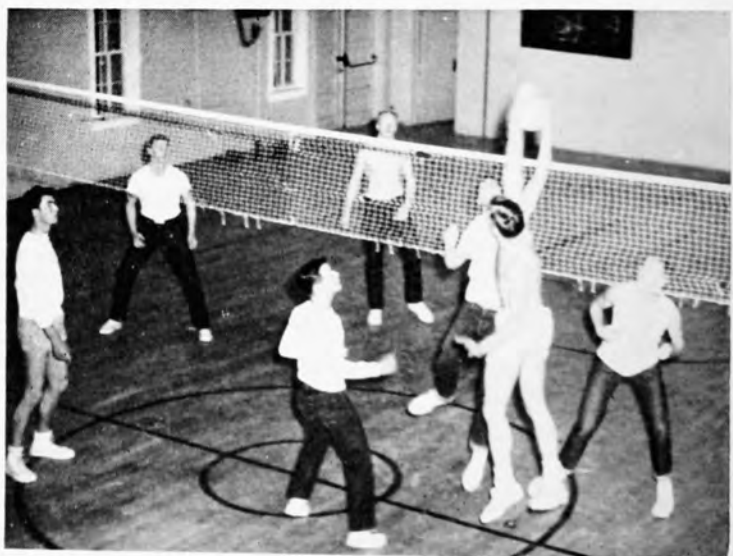
¹ Offered in alternate years, beginning with 1956-57.

² Offered in alternate years, beginning with 1957-58.





Wrestling Match



Intramural Volleyball



Aggies vs. Carbon College



Aggies vs. Mesa College
All American Lou Garretson Makes "Aggie" Touchdown



North Durango—Animas River From Campus

Philosophy			
P-41	Introduction to Philosophy		3
		Mathematics	
M-2	Slide Rule		1
M-4	Solid Geometry		2
M-11	Intermediate Algebra		3
M-12	Trigonometry		3
M-21, 22	College Mathematics		10
M-57, 58	The Calculus		10
		Physical Education	
Freshman Physical Education			Hours
PE-1, 2	Men's Physical Activity		2
PE-89, 40	Women's Physical Activity		2
Sophomore Physical Education			
PE-51, 52	Men's Physical Activity		2
PE-89, 90	Women's Physical Activity		2
		Physical Sciences	
Chemistry			Hours
C-1, 2	Introductory Chemistry		6
C-1L, 2L	Introductory Chemistry Laboratory		2
C-3, 4	General Chemistry		6
C-3L, 4L	General Chemistry Laboratory		4
Geology			
G-11, 12	General Geology		8
Physics			
Ph-5, 6	The Physical Sciences		8
Ph-53, 54	General Physics		10
		Social Studies	
History			Hours
SS-7	United States History		3
SS-8	United States History		3
Government			
SS-17	American Government		3
SS-18	State and Local Government		3
Economics			
SS-56	Principles of Economics		3
SS-57	Principles of Economics		3
Sociology			
SS-67	Introduction to Sociology		3
SS-68	Introduction to Sociology		3

SECONDARY EDUCATION

A student wishing to teach in high school or at the college level must major in General Arts and Science, and must include educational psychology, Introduction to Education, and complete an approved number of hours in a particular subject matter field in place of electives.

PRE-LAW

Students must major in General Arts and Science to enter a school of law.

Pre-Law students must include as electives a year of accounting, government, economics, speech, and mathematics if any of these subjects are not used to satisfy the broad field requirements of General Arts and Science.

PRE-DENTAL

The requirements of the American Association of Dental Schools may be met by the General Arts and Science curriculum if biology, general chemistry, organic chemistry, and physics are included.

BUSINESS ADMINISTRATION**FRESHMAN YEAR**

		Hours	Credits
First Semester			
EL-3	Freshman English	(3-0)	3
B-1	Introduction to Business	(3-0)	3
B-21	Principles of Accounting	(3-2)	4
PE-1, 30	Physical Activity	(0-2)	1
Ed-1	College Adjustment	(1-0)	1
BS-3	General Biology	(3-3)	4
			16

		Hours	Credits
Second Semester			
EL-4	Freshman English	(3-0)	3
B-22	Principles of Accounting	(3-2)	4
¹ EL-12	Vocabulary Building	(2-0)	2
PE-2, 40	Physical Activity	(0-2)	1
	² Social Studies	(3-0)	3
BS-4	General Biology	(3-3)	4
			17

SOPHOMORE YEAR

		Hours	Credits
First Semester			
SS-55	Principles of Economics	(3-0)	3
	² Foreign Language	(5-0)	(5)
³ EL-21	Introduction to Literature	(3-0)	(3)
PE-51, 59	Physical Activity	(0-2)	1
M-11	Intermediate Algebra	(3-2)	3
⁴ Ph-5	Physical Sciences	(3-3)	4
	² Social Studies	(3-0)	3
			17 or 19

		Hours	Credits
Second Semester			
SS-56	Principles of Economics	(3-0)	3
	² Foreign Language	(5-0)	(5)
³ EL-22	Introduction to Literature	(3-0)	(3)
PE-52, 90	Physical Activity	(0-2)	1
M-12	Trigonometry	(3-0)	3
⁴ Ph-6	Physical Sciences	(3-2)	4
	Electives		3
			17 or 19
			67 or 71

¹The student may substitute Calculating Machines or Personal Living for Vocabulary Building.

²The student may elect to take State and Local Government followed by American Government or 2 semesters of United States History.

³Take either sequence of courses so that there is at least a total of 3 credits per semester.

The following courses may be substituted for Introduction to Literature: Survey of English Literature; Introduction to Physics; and Introduction to Musical Literature.

⁴The following courses may be substituted for Physical Sciences: General Geology; General Physics; or Introductory Chemistry and Introductory Chemistry Laboratory.

NOTE: A student majoring in Accounting should substitute Intermediate Accounting and Elementary Cost Accounting for Social Studies and electives in the Sophomore year.

CHEMISTRY

FRESHMAN YEAR

		Hours	Credits
First Semester			
EL-3	Freshman English	(3-0)	3
M-21	College Mathematics I	(5-0)	5
C-3	General Chemistry	(3-0)	3
C-3L	General Chemistry Laboratory	(0-6)	2
SS-7	United States History	(3-0)	3
Ed-1	College Adjustment	(1-0)	1
PE-1, 39	Physical Activity	(0-2)	1

18

Second Semester

		Hours	Credits
Second Semester			
EL-4	Freshman English	(3-0)	3
¹ SS-8	United States History	(3-0)	3
C-4	General Chemistry	(3-0)	3
C-4L	General Chemistry Laboratory	(0-6)	2
M-22	College Mathematics II	(5-0)	5
PE-2, 40	Physical Activity	(0-2)	1
M-2	Slide Rule	(1-0)	1

18

SOPHOMORE YEAR

First Semester

		Hours	Credits
First Semester			
M-57	Differential Calculus	(5-0)	5
² C-55	Quantitative Analysis	(2-8)	4
² Ed-53	General Psychology	(3-0)	3
	'German		3-5
PE-51, 89	Physical Activity	(0-2)	1

16 or 18

Second Semester

		Hours	Credits
Second Semester			
M-58	Integral Calculus	(5-0)	5
² Ed-54	Personality and Social Adjustment	(3-0)	3
² C-56	Quantitative Analysis	(2-8)	4
	'German		3-5
PE-52, 90	Physical Activity	(0-2)	1

16 or 18

¹The following courses may be substituted for United States History: Government or Introduction to Sociology.

²The following courses may be substituted for Psychology: General Botany or Zoology.

³Fundamentals of Organic Chemistry and Organic Chemistry may be substituted for Quantitative Analysis.

⁴If German will not be offered during the student's second year, interchange German and United States History or substitute other social studies courses.

ELEMENTARY EDUCATION

For Secondary Education: See General Arts and Science.

FRESHMAN YEAR

First Semester

		Hours	Credits
EL-3	Freshman English	(3-0)	3
	Science with Laboratory	(3-3)	4
¹ Mu-16	Introduction to Musical Literature	(2-0)	2
SS-7	United States history	(3-0)	3
Ed-1	College Adjustment	(1-0)	1
PE-1, 39	Physical Activity	(0-2)	1
			14

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
	Science with Laboratory	(3-3)	4
¹ Mu-17	Introduction to Musical Literature	(2-0)	2
SS-8	United States History	(3-0)	3
PE-18	Personal Living	(3-0)	3
PE-2, 40	Physical Activity	(0-2)	1
BS-36	Principles of Conservation	(2-0)	2
			18

SOPHOMORE YEAR

First Semester

		Hours	Credits
Ed-53	General Psychology	(3-0)	3
EL-61	Speech	(2-0)	2
Ed-71	Introduction to Education	(2-0)	2
P-41	Introduction to Philosophy	(3-0)	3
	or		
M-11	Intermediate Algebra	(3-2)	(3)
PE-51, 89	Physical Activity	(0-2)	1
	Humanities	(3-0)	3
Mu-3	Music for Elementary Teachers	(3-0)	3
			17

Second Semester

		Hours	Credits
Ed-62	Educational Psychology	(3-0)	3
Ed-66	Child Psychology	(2-0)	2
EL-62	Speech	(2-0)	2
Ed-80	School Management	(2-0)	2
M-11	Intermediate Algebra	(3-2)	3
	or		
M-12	Trigonometry	(3-0)	(3)
	Electives		3
PE-52, 90	Physical Activity	(0-2)	1
			16

65

¹ Other courses in the Humanities may be substituted for Introduction to Musical Literature.

GEOLOGY

FRESHMAN YEAR

		Hours	Credits
First Semester			
EL-3	Freshman English	(3-0)	3
G-11	General Geology	(3-3)	4
E-1	Mechanical Drawing	(1-6)	3
¹ C-3	General Chemistry	(3-0)	3
¹ C-3L	General Chemistry Laboratory	(0-6)	2
Ed-1	College Adjustment	(1-0)	1
PE-1	Men's Physical Activity	(0-2)	1
			17

		Hours	Credits
Second Semester			
EL-4	Freshman English	(3-0)	3
G-12	General Geology	(3-3)	4
C-4	General Chemistry	(3-0)	3
C-4L	General Chemistry Laboratory	(0-6)	2
M-2	Slide Rule	(1-0)	1
SS-18	State and Local Government	(3-0)	3
or			
E-2	Descriptive Geometry	(1-6)	(3)
PE-2	Men's Physical Activity	(0-2)	1
			17

SOPHOMORE YEAR

		Hours	Credits
First Semester			
G-51	Mineralogy	(3-3)	4
Ph-53	General Physics	(3-4)	5
or			
FL-15	First Year German	(5-0)	(5)
M-21	College Mathematics I	(5-0)	5
PE-51	Men's Physical Activity	(0-2)	1
	Electives		3
			18

		Hours	Credits
Second Semester			
Ph-54	General Physics	(3-4)	5
or			
FL-16	First Year German	(5-0)	(5)
M-22	College Mathematics II	(5-0)	(5)
PE-52	Men's Physical Activity	(0-2)	1
	Electives		6
			17
			69

¹ Must obtain a passing score on the Mathematics Placement Test.

HOME ECONOMICS

FRESHMAN YEAR

First Semester		Hours	Credits
HE-1	Introduction to Home Economics	(1-0)	1
EL-3	Freshman English	(3-0)	3
BS-9	Introduction to Zoology	(3-3)	4
HE-7	Elementary Textiles	(1-4)	3
C-1	Introductory Chemistry	(3-0)	3
C-1L	Introductory Chemistry Laboratory	(0-3)	1
Ed-1	College Adjustment	(1-0)	1
PE-39	Women's Physical Activity	(0-2)	1
			17

Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
HE-8	Clothing and Construction	(2-3)	3
C-2	Introductory Chemistry	(3-0)	3
C-2L	Introductory Chemistry Laboratory	(0-3)	1
BS-66	Human Anatomy and Physiology	(3-3)	4
PE-40	Women's Physical Activity	(0-2)	1
			15

SOPHOMORE YEAR

First Semester		Hours	Credits
HE-71	House Planning	(2-2)	3
Ed-53	General Psychology	(3-0)	3
SS-67	Introduction to Sociology	(3-0)	3
HE-61	Effective Home Management	(2-0)	2
PE-89	Women's Physical Activity	(0-2)	1
C-65	Fundamentals of Organic Chemistry	(3-6)	5
			17

Second Semester		Hours	Credits
HE-72	Interior Decoration	(2-2)	3
Ed-54	Personality and Social Adjustment	(3-0)	3
	or		
Ed-62	Educational Psychology	(3-0)	(3)
SS-68	Introduction to Sociology	(3-0)	3
HE-52	Household Equipment	(1-2)	2
EL-61	Speech	(2-0)	2
	Electives		3
PE-90	Women's Physical Activity	(0-2)	1
			17
			66

INDUSTRIAL ARTS

Industrial Arts seeks to develop skill in the care and use of common tools and materials; knowledge and understanding of plans, prints, and drawings, safety attitudes and habits. Students will learn the basic processes involved in metal work, machines, drafting, woodworking, crafts and related subjects. The first two years work is offered for those who wish to continue their work at a senior college and then teach Industrial Arts.

FRESHMAN YEAR

FIRST SEMESTER

		Hours	Credits
EL-3	Freshman English	(3-0)	3
IA-1	Elementary Woodworking	(1-6)	3
E-1	Mechanical Drawing	(1-6)	3
Ed-1	College Adjustment	(1-0)	1
M-11	Intermediate Algebra	(3-2)	3
IA-21	Welding	(1-3)	2
PE-1	Men's Physical Activity	(0-2)	1
			16

SECOND SEMESTER

		Hours	Credits
EL-4	Freshman English	(3-0)	3
IA-10	Advanced Drafting	(1-6)	3
IA-2	Advanced Woodworking	(1-6)	3
PE-18	Personal Living	(3-0)	3
PE-90	First Aid	(2-0)	2
PE-2	Men's Physical Activity	(0-2)	1
	*Electives		3
			17

SOPHOMORE YEAR

FIRST SEMESTER

		Hours	Credits
EL-61	Speech	(2-0)	2
Ed-53	General Psychology	(3-0)	3
IA-51	Machine Woodwork	(1-3)	2
IA-61	Machine Drawing	(1-6)	3
SS-55	Principles of Economics	(3-0)	3
PE-51	Men's Physical Activity	(0-2)	1
	*Electives		3
			17

SECOND SEMESTER

		Hours	Credits
Ed-62	Educational Psychology	(3-0)	3
EL-62	Speech	(2-0)	2
IA-31	Handicraft	(1-3)	2
SS-56	Principles of Economics	(3-0)	3
IA-70	Industrial Arts Design	(1-3)	2
PE-52	Men's Physical Activity	(0-2)	1
	*Electives		3
			16
			66

*Electives are to be chosen from typewriting, the fields of the sciences, humanities, or social studies.

MEDICAL TECHNOLOGY

FRESHMAN YEAR

		Hours	Credits
First Semester			
EL-3	Freshman English	(3-0)	3
C-8	General Chemistry	(3-0)	3
C-3L	General Chemistry Laboratory	(0-6)	2
M-11	Intermediate Algebra	(3-2)	2
BS-3	General Biology	(3-3)	4
Ed-1	College Adjustment	(1-0)	1
PE-1, 89	Physical Activity	(0-2)	1
			17

		Hours	Credits
Second Semester			
BS-4	General Biology	(3-3)	4
EL-4	Freshman English	(3-0)	3
C-4	General Chemistry	(3-0)	3
C-4L	General Chemistry Laboratory	(0-6)	2
M-12	Trigonometry	(3-0)	3
PE-2, 40	Physical Activity	(0-2)	1
			16

SOPHOMORE YEAR

		Hours	Credits
First Semester			
C-65	Fundamentals of Organic Chemistry	(3-6)	5
C-55	Quantitative Analysis	(2-8)	4
¹ SS-67	Introduction to Sociology	(3-0)	3
² EL-21	Introduction to Literature	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
			16

		Hours	Credits
Second Semester			
C-66	Organic Chemistry	(3-6)	5
¹ SS-68	Introduction to Sociology	(3-0)	3
² EL-22	Introduction to Literature	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
	Electives		4
			16
			65

¹United States History or Government may be substituted for Introduction to Sociology.
²The following courses may be substituted for Introduction to Literature: Survey of English Literature; Introduction to Musical Literature; and Introduction to Philosophy.

MUSIC EDUCATION

The courses offered by the Department of Music are designed to meet the individual needs and interests of the student. For the student wishing to major in music the following curriculum is offered.

For the student who wishes to choose music as an elective, a wide variety of courses may be selected.

FRESHMAN YEAR

First Semester		Hours	Credits
EL-3	Freshman English	(3-0)	3
¹ Mu-37	Applied Music (Piano)	(½-0)	1
Mu-39	Applied Music (Major)	(1-0)	3
Mu-1	Fundamental Theory	(1-4)	3
Mu-15	Introduction to Musical Literature	(2-0)	2
² Mu-21	Band	(0-3)	1
² Mu-27	Chorus	(0-3)	(1)
Ed-1	College Adjustment	(1-0)	1
PE-1, 39	Physical Activity	(0-2)	1
Mu-7	String Instruments	(0-3)	1
			16

Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
¹ Mu-38	Applied Music (Piano)	(½-0)	1
Mu-40	Applied Music (Major)	(1-0)	3
Mu-2	Fundamental Theory	(1-4)	3
Mu-16	Introduction to Musical Literature	(2-0)	2
² Mu-22	Band	(0-3)	1
² Mu-28	Chorus	(0-3)	(1)
PE-2, 40	Physical Activity	(0-2)	1
Mu-8	Brass and Percussion Instruments	(0-2)	1
			15

SOPHOMORE YEAR

First Semester		Hours	Credits
Mu-51	Advanced Theory	(4-1)	4
¹ Mu-81	Applied Music (Piano)	(½-0)	1
Mu-83	Applied Music (Major)	(1-0)	3
Ed-63	General Psychology	(3-0)	3
Mu-61	History of Music	(2-0)	2
² Mu-71	Band	(0-3)	1
² Mu-77	Chorus	(0-3)	(1)
PE-51, 89	Physical Activity	(0-2)	1
Mu-9	Woodwind Instruments	(0-1)	1
	² Electives		2
			18

SECOND SEMESTER		Hours	Credits
Mu-52	Advanced Theory	(4-1)	4
¹ Mu-82	Applied Music (Piano)	(½-0)	1
Mu-84	Applied Music (Major)	(1-0)	3
Ed-62	Educational Psychology	(3-0)	3
Mu-62	History of Music	(2-0)	2
² Mu-72	Band	(0-3)	1
² Mu-78	Chorus	(0-3)	(1)
PE-52, 90	Physical Activity	(0-2)	1
	² Electives		2
			17
			66

¹Piano is required of all music majors until sufficient proficiency has been acquired.

²Either course is required.

³Electives are to be chosen from the sciences, social studies, foreign languages, Foreign language is required of voice majors. (German or French.)

PHARMACY

The aim of this curriculum is to give the student the first two years of work leading toward a Five-Year combined course in Business and Pharmacy. Students wishing to earn a Bachelor of Science degree only in Pharmacy should plan to transfer at the end of the Freshman year, since they are required to have three years of residence in an approved School of Pharmacy.

FRESHMAN YEAR

		First Semester	Hours	Credits
EL-3	Freshman English		(3-0)	3
C-3	General Chemistry		(3-0)	3
C-3L	General Chemistry Laboratory		(0-6)	2
BS-3	General Biology		(3-3)	4
Ed-1	College Adjustment		(1-0)	1
M-11	Intermediate Algebra		(3-2)	3
PE-1, 89	Physical Activity		(0-2)	1
				17

		Second Semester	Hours	Credits
EL-4	Freshman English		(3-0)	3
C-4	General Chemistry		(3-0)	3
C-4L	General Chemistry Laboratory		(0-6)	2
BS-4	General Biology		(3-3)	4
M-12	Trigonometry		(3-0)	3
PE-2, 40	Physical Activity		(0-2)	1
				16

SOPHOMORE YEAR

		First Semester	Hours	Credits
C-65	Fundamentals of Organic Chemistry		(3-6)	5
SS-55	Principles of Economics		(3-0)	3
B-21	Principles of Accounting		(3-2)	4
¹ BS-75	General Bacteriology		(2-3)	(3)
¹ EL-21	Introduction to Literature		(3-0)	(3)
PE-51, 89	Physical Activity		(0-2)	1
				16

		Second Semester	Hours	Credits
C-66	Organic Chemistry		(3-6)	5
SS-56	Principles of Economics		(3-0)	3
EL-22	Introduction to Literature		(3-0)	3
B-22	Principles of Accounting		(3-2)	4
PE-52, 90	Physical Activity		(0-2)	1
				16
				65

¹Take either course.

PHYSICAL EDUCATION

The purposes of the physical education, health and recreational program, which includes intercollegiate athletics at Fort Lewis A & M College, are as follows:

1. To enable all students to gain physical skills, personal health, a sense of sportsmanship, and an awareness of the rules and techniques of all sports.
2. To teach the lower division courses which lead to a degree in Health, Recreation, and Physical Education.
3. To encourage a long range physical education program which may assure in the student a robust physical condition while in college and in later life.

FRESHMAN YEAR

First Semester		Hours	Credits
EL-3	Freshman English	(3-0)	3
¹ C-1	Introductory Chemistry	(3-0)	3
¹ C-1L	Introductory Chemistry Laboratory	(0-3)	1
² SS-7	United States History	(3-0)	3
PE-11	History and Principles of Physical Ed.	(2-0)	2
Ed-1	College Adjustment	(1-0)	1
PE-1	Men's Physical Activity	(0-2)	1
			14

Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
² SS-8	United States History	(3-0)	3
¹ C-2	Introductory Chemistry	(3-0)	3
¹ C-2L	Introductory Chemistry Laboratory	(0-3)	1
PE-18	Personal Living	(3-0)	3
PE-24	First Aid	(2-0)	2
PE-2	Men's Physical Activity	(0-2)	1
			16

SOPHOMORE YEAR

First Semester		Hours	Credits
BS-9	Introduction to Zoology	(3-3)	4
¹ EL-21	Introduction to Literature	(3-0)	3
Ed-53	General Psychology	(3-0)	3
PE-65	Principles of Recreation	(2-0)	2
PE-69	Coaching of Football	(2-0)	2
PE-51	Men's Physical Activity	(0-2)	1
	Elective		2
			17

Second Semester		Hours	Credits
PE-70	Coaching of Basketball	(2-0)	2
PE-74	Officiating in Sports	(2-0)	2
Ed-54	Personality and Social Adjustment	(3-0)	3
BS-66	Human Anatomy and Physiology	(3-3)	4
¹ EL-22	Introduction to Literature	(3-0)	3
Ed-62	Educational Psychology	(3-0)	3
PE-52	Men's Physical Activity	(0-2)	1
			18
			65

¹The following courses may be substituted for General Chemistry and laboratory: The Physical Sciences, or General Geology.

²The following courses may be substituted for United States History: Government, Principles of Economics, Introduction to Sociology.

³The following courses may be substituted for Introduction to Literature: Survey of English Literature, Foreign Language, Introduction to Musical Literature, and Introduction to Philosophy.

PRE-MEDICINE

FRESHMAN YEAR

		Hours	Credits
First Semester			
EL-3	Freshman English	(3-0)	3
C-3	General Chemistry	(3-0)	3
C-3L	General Chemistry Laboratory	(0-6)	2
M-11	Intermediate Algebra	(3-2)	3
Ed-1	College Adjustment	(1-0)	1
BS-3	General Biology	(3-3)	4
PE-1, 39	Physical Activity	(0-2)	1
			17

		Hours	Credits
Second Semester			
EL-4	Freshman English	(3-0)	3
C-4	General Chemistry	(3-0)	3
C-4L	General Chemistry Laboratory	(0-6)	2
M-12	Trigonometry	(3-0)	3
BS-4	General Biology	(3-3)	4
PE-2, 40	Physical Activity	(0-2)	1
			16

SOPHOMORE YEAR

		Hours	Credits
First Semester			
Ph-53	General Physics	(3-4)	5
C-65	Fundamentals of Organic Chemistry	(3-6)	5
² EL-69	Survey of English Literature	(3-0)	3
¹ SS-67	Introduction to Sociology	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
			17

		Hours	Credits
Second Semester			
Ph-54	General Physics	(3-4)	5
C-66	Organic Chemistry	(3-6)	5
² EL-70	Survey of English Literature	(3-0)	3
¹ SS-68	Introduction to Sociology	(3-0)	3
EL-61	Speech	(2-0)	2
PE-52, 90	Physical Activity	(0-2)	1
			19

69 or 70

¹The following courses may be substituted for Introduction to Sociology: Government or United States History.

²The following courses may be substituted for Survey of English Literature: Introduction to Literature, or Introduction to Musical Literature, and Introduction to Philosophy.

PRE-NURSING

FRESHMAN YEAR

First Semester		Hours	Credits
EL-3	Freshman English	(3-0)	3
C-1	Introductory Chemistry	(3-0)	3
C-1L	Introductory Chemistry Laboratory	(0-3)	1
SS-67	Introduction to Sociology	(3-0)	3
EL-21	Introduction to Literature	(3-0)	3
Ed-1	College Adjustment	(1-0)	1
PE-39	Women's Physical Activity	(0-2)	1
	Electives		2

17 or 18

Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
C-2	Introductory Chemistry	(3-0)	3
C-2L	Introductory Chemistry Laboratory	(0-3)	1
SS-68	Introduction to Sociology	(3-0)	3
EL-22	Introduction to Literature	(3-0)	3
PE-40	Women's Physical Activity	(0-2)	1
	Electives		3

17

Students may transfer to most schools of nursing at the end of the freshman year. However, some schools require additional college work and therefore a second year may be arranged. The student should consult the bulletin of the school to which she is transferring in order to make sure that she meets the entrance requirements.

PRE-VETERINARY**FRESHMAN YEAR**

		First Semester	
		Hours	Credits
EL-3	Freshman English	(3-0)	3
C-3	General Chemistry	(3-0)	3
C-3L	General Chemistry Laboratory	(0-6)	2
M-11	Intermediate Algebra	(3-2)	3
¹ SS-7	United States History	(3-0)	3
Ed-1	College Adjustment	(1-0)	1
PE-1, 39	Physical Activity	(0-2)	1
			16

		Second Semester	
		Hours	Credits
EL-4	Freshman English	(3-0)	3
C-4	General Chemistry	(3-0)	3
C-4L	General Chemistry Laboratory	(0-6)	2
EL-12	Vocabulary Building	(2-0)	2
M-12	Trigonometry	(3-0)	3
¹ SS-8	United States History	(3-0)	3
PE-2, 40	Physical Activity	(0-2)	1
			17

SOPHOMORE YEAR

		First Semester	
		Hours	Credits
¹ SS-67	Introduction to Sociology	(3-0)	3
BS-21	General Botany	(3-3)	4
C-65	Fundamentals of Organic Chemistry	(3-6)	5
² Mu-15	Introduction to Musical Literature	(2-0)	2
BS-9	Introduction to Zoology	(3-3)	4
PE-51, 89	Physical Activity	(0-2)	1
			19

		Second Semester	
		Hours	Credits
¹ SS-68	Introduction to Sociology	(3-0)	3
C-66	Organic Chemistry	(3-6)	5
² Mu-16	Introduction to Musical Literature	(2-0)	2
EL-22	Introduction to Literature	(3-0)	3
SS-18	State and Local Government	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
			17
			69

¹ Student may substitute sequences in Psychology or Economics.² Student may substitute Survey of English Literature so that there is a total of 6 hours.

DIVISION OF TERMINAL EDUCATION

Students who are not planning a four-year college course are offered the opportunity of taking two-year courses in Practical Agriculture, Vocational Business Administration, Secretarial Science, Terminal Engineering, and Terminal Home Economics. These courses afford practical training which will be of immediate value to the students in obtaining jobs, running their own farms or ranches, or setting up and maintaining a home.

Any applicant who has sufficient maturity and experience to profit from such courses may be admitted as a special student.

PRACTICAL AGRICULTURE

This two-year short course in Practical Agriculture provides a scientific background for students who are interested in farming and ranching. A student may specialize either along the lines of ranch practices and cattle production or farming and crop production.

FRESHMAN YEAR

First Semester		Hours	Credits
EL-3	Freshman English	(3-0)	3
¹ Ag-03	Ranch Practices	(1-3)	2
IA-1	Elementary Woodworking	(1-6)	3
Ed-1	College Adjustment	(1-0)	1
BS-21	General Botany	(3-3)	4
Ag-11	Introductory Animal Husbandry	(3-2)	4
PE-1	Men's Physical Activity	(0-2)	1
			18

Second Semester

Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
¹ Ag-04	Ranch Practices	(1-3)	2
BS-22	General Botany	(2-3)	3
Ag-16	Elements of Dairying	(1-2)	2
Ag-40	Farm Machinery	(2-3)	3
IA-2	Advanced Woodworking	(1-6)	3
PE-2	Men's Physical Activity	(0-2)	1
			17

SOPHOMORE YEAR

First Semester

First Semester		Hours	Credits
Ag-01	Farm and Ranch Management	(3-0)	3
Ag-07	Arithmetic in Agriculture	(2-0)	2
Ag-1	Crop Production	(2-2)	3
IA-31	Handicraft	(1-3)	2
IA-21	Welding	(1-0)	2
PE-51	Men's Physical Activity	(0-2)	1
Ag-67	Livestock Judging	(0-3)	1
	Electives		2
			16

Second Semester

Second Semester		Hours	Credits
Ag-08	Agricultural Seminar	(1-3)	2
Ag-74	Feeds & Feeding	(2-2)	3
Ag-54	General Horticulture	(2-2)	3
Ag-64	Irrigation Practice	(1-2)	2
BS-36	Principles of Conservation	(2-0)	2
PE-52	Men's Physical Activity	(0-2)	1
	Electives		3
			16
			67

¹Courses in Ranch Practices may be taken only by students with no previous experience on a ranch or farm. These courses are for students who desire to specialize in Ranch and Cattle Production.

BUSINESS

There are two terminal vocational courses offered in the field of business for those students who are not planning to take a full four-year course. These curricula have been planned with reference to the needs of the student.

One-year Courses: For the one-year business student who wishes to find employment with a minimum amount of time spent in preparation, it is possible to take only one year of either terminal curriculum. The first year courses will provide the same basic knowledge and training provided by any business school for employment as a secretary, stenographer, typist, or other clerical assistant. A college transcript can be supplied the student as evidence of taking one year of college business training.

However, it is desirable that the student studying under a terminal curriculum complete the full two-year course, as the second year of training will allow him to develop a more complete background of business knowledge. Upon completion of either of the two-year terminal curricula an Associate of Applied Science Degree will be granted.

SECRETARIAL SCIENCE

FRESHMAN YEAR

First Semester

		Hours	Credits
EL-3	Freshman English	(3-0)	3
B-1	Introduction to Business	(3-0)	3
B-11	Stenography I	(2-3)	3
B-7	Elementary Typewriting	(1-3)	2
Ed-1	College Adjustment	(1-0)	1
B-09	Business Mathematics	(3-0)	3
PE-1, 39	Physical Activity	(0-2)	1
			<hr/> 16

Second Semester

		Hours	Credits
B-08	Business Communications	(3-0)	3
B-12	Stenography II	(2-3)	3
B-8	Advanced Typewriting	(1-3)	2
B-014	Calculating Machines	(1-2)	2
PE-2, 40	Physical Activity	(0-2)	1
	*Electives		5
			<hr/> 16

SOPHOMORE YEAR

First Semester

		Hours	Credits
B-011	Secretarial Procedure	(3-0)	3
B-21	Principles of Accounting	(3-2)	4
B-13	Dictation and Transcription	(3-0)	3
EL-61	Speech	(2-0)	2
B-05	Business Law	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
			<hr/> 16

Second Semester

		Hours	Credits
B-012	Stenographic Machines	(2-3)	3
B-22	Principles of Accounting	(3-2)	4
B-58	Payroll Accounting	(1-2)	2
EL-62	Speech	(2-0)	2
B-06	Business Law	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
	Electives		2
			17
			65

¹ Students passing a proficiency test may substitute a social science, a political science, or a biological science. Those students with two years of high school shorthand may take Dictation and Transcription the first year providing they pass a proficiency test.

² Students having one year of typewriting in high school may substitute a two-hour course providing they pass a proficiency test.

³ Recommended electives: Vocabulary Building, State and Local Government.

VOCATIONAL BUSINESS ADMINISTRATION

FRESHMAN YEAR

		First Semester	Hours	Credits
EL-3	Freshman English		(3-0)	3
B-21	Principles of Accounting		(3-2)	4
B-1	Introduction to Business		(3-0)	3
B-7	Elementary Typewriting		(1-3)	2
Ed-1	College Adjustment		(1-0)	1
B-09	Business Mathematics		(3-0)	3
PE-1, 39	Physical Activity		(0-2)	1
				17

17 or 18

		Second Semester	Hours	Credits
B-08	Business Communications		(3-0)	3
B-22	Principles of Accounting		(3-2)	4
B-8	Advanced Typewriting		(1-3)	2
B-58	Payroll Accounting		(1-2)	2
B-017	Introduction to Advertising		(3-0)	3
PE-2, 40	Physical Activity		(0-2)	1
				15

SOPHOMORE YEAR

		First Semester	Hours	Credits
B-05	Business Law		(3-0)	3
B-51	Intermediate Accounting		(3-0)	3
SS-55	Principles of Economics		(3-0)	3
Ed-53	General Psychology		(3-0)	3
EL-61	Speech		(2-0)	2
PE-51, 89	Physical Activity		(0-2)	1
				15

		Second Semester	Hours	Credits
B-04	Income Tax Accounting		(3-0)	3
B-54	Elementary Cost Accounting		(3-0)	3
B-06	Business Law		(3-0)	3
EL-62	Speech		(2-0)	2
SS-56	Principles of Economics		(3-0)	3
PE-52, 90	Physical Activity		(0-2)	1
	*Electives			3
				18
				65

*Recommended electives: Calculating Machines, State and Local Government, and Personality and Social Adjustment.

TERMINAL ENGINEERING

FRESHMAN YEAR

First Semester		Hours	Credits
E-1	Mechanical Drawing	(1-6)	3
EL-3	Freshman English	(3-0)	3
IA-1	Elementary Woodworking	(1-6)	3
¹ SS-17	American Government	(3-0)	3
M-11	Intermediate Algebra	(3-2)	3
Ed-1	College Adjustment	(1-0)	1
PE-1	Men's Physical Activity	(0-2)	1
			17

Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
E-2	Descriptive Geometry	(1-6)	3
IA-2	Advanced Woodworking	(1-6)	3
¹ SS-18	State and Local Government	(3-0)	3
M-12	Trigonometry	(3-0)	3
M-2	Slide Rule	(1-0)	1
PE-2	Men's Physical Activity	(0-2)	1
			17

SOPHOMORE YEAR

First Semester		Hours	Credits
Ed-53	General Psychology	(3-0)	3
SS-55	Principles of Economics	(3-0)	3
IA-21	Welding	(1-3)	2
E-51	Elementary Surveying	(0-6)	3
EL-61	Speech	(2-0)	2
² B-21	Principles of Accounting	(3-2)	4
² G-11	General Geology	(3-3)	(4)
PE-51	Men's Physical Activity	(0-2)	1
			18

Second Semester		Hours	Credits
Ed-54	Personality and Social Adjustment	(3-0)	3
SS-56	Principles of Economics	(3-0)	3
E-52	Advanced Surveying	(0-6)	3
EL-62	Speech	(2-0)	2
² B-22	Principles of Accounting	(3-2)	4
² G-12	General Geology	(3-3)	(4)
PE-52	Men's Physical Activity	(0-2)	1
	Electives		2
			18
			70

¹American History may be substituted for Government

²Take either sequence upon advisor's approval.

TERMINAL HOME ECONOMICS

This two-year course is designed to provide the future home-maker with the basic, practical knowledge for efficient management of a home as well as to acquaint her with ideas and methods for making it attractive and comfortable. Also included in the course is the study and application of fashion and dress design.

FRESHMAN YEAR

First Semester			
		Hours	Credits
EL-3	Freshman English	(3-0)	3
HE-1	Introduction to Home Economic;	(1-0)	1
HE-01	Elementary Foods	(0-6)	3
HE-7	Elementary Textiles	(1-4)	3
Ed-1	College Adjustment	(1-0)	1
SS-67	Introduction to Sociology	(3-0)	3
PE-39	Women's Physical Activity	(0-2)	1
			15
Second Semester			
		Hours	Credits
EL-4	Freshman English	(3-0)	3
HE-02	Meal Planning	(0-6)	3
HE-8	Clothing and Construction	(2-3)	3
HE-08	Infant and Child Care	(2-2)	3
SS-68	Introduction to Sociology	(3-0)	3
PE-40	Women's Physical Activity	(0-2)	1
			16

SOPHOMORE YEAR

First Semester			
		Hours	Credits
HE-71	House Planning	(2-2)	3
HE-61	Effective Home Management	(2-0)	2
HE-05	Food Preservation	(0-4)	2
Ed-53	General Psychology	(3-0)	3
EL-61	Speech	(2-0)	2
PE-89	Women's Physical Activity	(0-2)	1
	Electives		4
			17
Second Semester			
		Hours	Credits
HE-72	Interior Decoration	(2-2)	3
HE-51	Household Equipment	(1-2)	2
Ed-54	Personality & Social Adjustment	(3-0)	3
EL-62	Speech	(2-0)	2
PE-24	First Aid	(2-0)	2
PE-90	Women's Physical Activity	(0-2)	1
	Electives		4
			17
			65

DESCRIPTION OF COURSES

AGRICULTURE

- Ag-1 CROP PRODUCTION** I (2-2)3
 A study of the principles of field crop production with special emphasis on cultural practices and botanical characteristics of crops grown throughout Colorado and the inter-mountain states.
- Ag-11 INTRODUCTORY ANIMAL HUSBANDRY** I (3-2)4
 A study of commercial domestic livestock which includes cattle, sheep, horse, swine. This study is made on both the purebred and market classification.
- Ag-16 ELEMENTS OF DAIRYING** II (1-2)2
 An introduction to the dairy industry. A brief study of the history and development of the industry, the composition—properties, and food value of milk. An introduction to the development and manufacture of dairy products.
- Ag-40 FARM MACHINERY** II (2-3)3
 A theory, demonstration, and maintenance course which includes repair, operation, adjustment, and care of farm machinery.
- Ag-54 GENERAL HORTICULTURE** II (2-2)3
 A general course covering the principles underlying the propagation, improvement, and marketing of horticultural crops.
 Prerequisite: Botany.
- Ag-60 SOILS** II (3-2)4
 A basic course dealing with the formation, properties, and management of soils with special attention given to soil conditions that affect moisture relations and elementary fertility analysis.
 Prerequisite: Year of college chemistry or permission of instructor.
- Ag-64 IRRIGATION PRACTICE** II (1-2)2
 A study of the systems used in irrigation, water supply, water measurement, methods of irrigation, soils in relation to irrigation, water efficiency, drainage, and the water requirements of different crops.
 Prerequisite: Ag-1
- Ag-67 LIVESTOCK JUDGING** I (0-3)1
 Selection and judging of market and breeding classes of livestock.
- Ag-74 FEEDS AND FEEDING** II (2-2)3
 Feeds and their use in feeding livestock. Calculation of rations which meet requirements for maintenance, growth, and production.
 Prerequisite: Ag-11
- Ag-80 GENERAL POULTRY** I (2-2)3
 A general course dealing with the elementary principles of the feeding, breeding, incubation, rearing, housing, and management of farm poultry.

Terminal Agriculture

- Ag-01 FARM AND RANCH MANAGEMENT** I (3-0)3
 Size of farm, type and rates of production, combination of enterprises, labor and machinery efficiency are considered.

- Ag-03 RANCH PRACTICES** I (1-3)2
This course is designed to give students having no agricultural background actual experience in handling stock and agricultural equipment. A practical introduction to other agricultural activities.
- Ag-04 RANCH PRACTICES** II (1-3)2
A continuation of Ag-03.
- Ag-07 ARITHMETIC IN AGRICULTURE** I (2-0)2
A review of the principles of arithmetic with special emphasis on practical agricultural problems.
- Ag-08 AGRICULTURAL SEMINAR** II (1-3)2
Students study selected problems with emphasis on a local situation.

BIOLOGICAL SCIENCE

- BS-3 GENERAL BIOLOGY** I (3-3)4
This course includes the basic principles of living matter with particular emphasis on man, heredity, evolution.
- BS-4 GENERAL BIOLOGY** II (3-3)4
A brief survey of the botanical, zoological, and bacteriological sciences. Prerequisite: BS-3.
- BS-9 INTRODUCTION TO ZOOLOGY** I (3-3)4
A study of the principles of zoology with reference to man. Demonstration and laboratory work are used to illustrate these principles.
- BS-21 GENERAL BOTANY** I (3-3)4
A study of the structure, function, and development of higher plants.
- BS-22 GENERAL BOTANY** II (2-3)3
The development of plants from simple to complex forms.
Prerequisite: BS-21
- BS-36 PRINCIPLES OF CONSERVATION** II (2-0)2
A survey of the forest, range, wildlife, and other natural resources; policies and programs adopted for their protection and utilization. Open to all students.
- BS-52 APPLIED ENTOMOLOGY** II (2-3)3
Elementary anatomy and physiology of insects; the life histories, habits, and control recommendations for the more important insect pests.
Prerequisite: BS-3 or concurrently.
- BS-66 HUMAN ANATOMY AND PHYSIOLOGY** II (3-3)4
A lecture and demonstration course in the structure and function of the human body.
Prerequisite: BS-4, College Chemistry recommended.
- BS-75 GENERAL BACTERIOLOGY** I (2-3)3
An elementary study of bacteria with emphasis upon their role in everyday life.
Prerequisites: C-1, C-2, BS-3 recommended.

BUSINESS

- B-1 INTRODUCTION TO BUSINESS** **I (3-0)3**
A survey of business principles, problems, practices, and procedures. Provides a background for the more specialized business courses that follow—accounting, economics, marketing, finance and law. Furnishes the student with a vocabulary of business terms.
- B-7 ELEMENTARY TYPEWRITING** **I (1-3)2**
A beginning course in typewriting. Speed and accuracy in the operation of the typewriter by the touch system; business letters. Students who have had one year of typewriting in high school may not take this course for credit.
- B-8 ADVANCED TYPEWRITING** **II (1-3)2**
Advanced production typewriting, business letters, manuscripts, bibliographies, stencils, and masters.
Prerequisite: B-7, or meet minimum proficiency requirement.
- B-11 STENOGRAPHY I** **I (2-3)3**
This course comprises a study of the basic principles of Gregg Shorthand, dictation, and the building of speed. Students who have had one year of shorthand in high school may not take this course for credit.
- B-12 STENOGRAPHY II** **II (2-3)3**
Shorthand speed building; vocabulary building, and typewritten transcription.
Prerequisite: B-11
- B-13 DICTATION AND TRANSCRIPTION** **I (3-0)3**
A dictation and transcription course with continued skill development. Office standards of speed, accuracy, and mailability required.
Prerequisite: Two years of high school shorthand and one or two years of high school typewriting; or B-7 and B-12; or a proficiency test.
- B-21 PRINCIPLES OF ACCOUNTING** **I (3-2)4**
A study of the fundamentals and principles of accounting applicable to business ownership with emphasis on the single proprietorship type business.
Prerequisite: High School Bookkeeping is desirable.
- B-22 PRINCIPLES OF ACCOUNTING** **II (3-2)4**
A continuation of B-21, with emphasis on accounting for partnerships and corporations. Practice Set.
Prerequisite: B-21
- B-51 INTERMEDIATE ACCOUNTING** **I (3-0)3**
Preparation of statements for corporation, trading and manufacturing concerns, a study of problems of valuation.
Prerequisite: B-22
- B-54 ELEMENTARY COST ACCOUNTING** **II (3-0)3**
A study of process and job order cost accounting with some attention to standard and distribution costs.
Prerequisite: B-22
- B-58 PAYROLL ACCOUNTING** **II (1-2)2**
Principles of accounting applied to payroll. A study of the laws that apply to payroll.
Prerequisite: B-21

Terminal Courses

- B-04 INCOME TAX ACCOUNTING** **II (3-0)3**
 A study of the provisions of federal income tax laws and the regulations affecting the determination of net taxable income, and the preparations of tax returns for individuals, and corporations.
 Prerequisite: B-21
- B-05 BUSINESS LAW** **I (3-0)3**
 Introduction to the study of business law followed by specific study in the subjects of creditors' powers, business torts, and contracts. Materials used in this course consist of text, cases, statutes and business forms. These materials include the materials used in the subsequent business law courses in this series.
- B-06 BUSINESS LAW** **II (3-0)3**
 Study of text, cases, and statutes in the subjects of agency, bailments, sales and negotiable instruments.
 Prerequisite: B-05
- B-08 BUSINESS COMMUNICATIONS** **II (3-0)3**
 Analysis and writing of business letters including sales, credit, collection, adjustment, service, etc. Principles of report writing as applied to the types of reports commonly required in business.
 Prerequisite: EL-3, B-7
- B-09 BUSINESS MATHEMATICS** **I (3-0)3**
 A course designed to meet the minimum needs of the students of business. Fundamental processes and their application to business situations are studied.
- B-011 SECRETARIAL PROCEDURE** **I (3-0)3**
 Basic secretarial principles and procedures, including filing procedure, handling mail and telegrams, telephone techniques, receiving callers, business etiquette, and transportation and travel problems.
 Prerequisite: B-7 or B-8.
- B-012 STENOGRAPHIC MACHINES** **II (2-3)3**
 Latest developments in use of voicescribing machines, duplicating machines, and electric typewriter to develop minimum production skills.
 Prerequisite: B-8 or equivalent.
- B-014 CALCULATING MACHINES** **II (1-2)2**
 Latest developments in the uses of the key-driven, rotary, and listing calculators; and adding machines.
 Prerequisite: B-09 or B-21.
- B-017 INTRODUCTION TO ADVERTISING** **II (3-0)3**
 Theory and functions of advertising, copy, media, and techniques of presentation.

CHEMISTRY

- C-1 INTRODUCTORY CHEMISTRY** **I (3-0)3**
 Consists of lecture, demonstrations and quizzes. Must be accompanied by C-1L. An introductory course in chemistry for non-science majors, or those whose training will not require additional courses in inorganic chemistry beyond the first year. This course includes the basic fundamentals and principles of chemistry; es-

sentially the same material is covered as in C-3, but is more descriptive, not on quite as high an academic level, and without as much emphasis on the mathematics involved.

Prerequisite: none.

C-1L INTRODUCTORY CHEMISTRY LABORATORY I (0-3)1

Fulfills the requirements of home economics, pre-nursing, agricultural majors, and liberal arts students. Selected experiments will be performed to emphasize certain basic scientific principles and to introduce the student to scientific laboratory techniques, observations, skills, and calculations. Not open to chemistry majors, engineering or pre-professional students other than pre-nursing. Must be accompanied by C-1.

C-2 INTRODUCTORY CHEMISTRY II (3-0)3

Must be accompanied by C-2L. A continuation of C-1. The chemistry of some important non-metals and metals is studied. Attention is called to the relationship between atomic structure and the properties of matter. A brief introduction to organic chemistry is included.

Prerequisites: C-1 or C-3 or equivalent.

C-2L INTRODUCTORY CHEMISTRY LABORATORY II (0-3)1

A continuation of C-1L intended to help the student further develop his chemical laboratory experience, techniques, skills, and observations. About one-fourth of the time will be spent on inorganic qualitative analysis.

This course is not open to students majoring in chemistry or engineering nor pre-professional except pre-nursing. Must be accompanied by C-2.

Prerequisites: C-1L or C-3L or equivalent.

C-3 GENERAL CHEMISTRY I (3-0)3

Consists of lectures, demonstrations, and quizzes. Must be accompanied by C-3L. A basic course in the fundamentals and principles of chemistry, designed for those who will take additional courses in inorganic chemistry after the freshman year. This course includes the composition of matter, chemical change, fundamentals of atomic structure, gas laws, chemical reactions, and calculations.

Prerequisite: High school algebra and physics, or consent of instructor.

C-3L GENERAL CHEMISTRY LABORATORY I (0-6)2

A course designed to give the student background and experience in basic laboratory techniques and in observation. Experiments performed will include simple measurements, characteristic chemical reactions, simple molecular weight determination, oxidation-reduction reactions, etc. This course is intended to meet the requirements of engineering majors and other students who will take more inorganic chemistry after the freshman year. Must be accompanied by C-3.

C-4 GENERAL CHEMISTRY II (3-0)3

A continuation of C-3. The chemistry of some important non-metals and metals is studied. Considerable emphasis is placed upon the relationships between atomic structure, the periodic table and the properties of matter. A brief introduction to qualitative analysis and organic chemistry are included.

Prerequisite: C-3 or its equivalent.

C-4L GENERAL CHEMISTRY LABORATORY II (0-6)2

A continuation of C-3L. Experiments will be performed to provide the student with further useful concepts. About two-thirds of the laboratory time will be spent on the practice of inorganic qualitative analysis. This course is intended to meet the chemistry laboratory requirements for students majoring in chemistry and engineering, or pre-professional students.
Prerequisites: C-3, C-3L.

C-55 QUANTITATIVE ANALYSIS I (2-8)4

Lecture and laboratory. A survey of volumetric and gravimetric analysis including theory and calculations. This course alone will meet the analytical chemistry requirements of pre-medical, pre-dental, pre-veterinary, medical technology, or of other students not majoring in chemistry.
Prerequisites: C-4, C-4L, and College Algebra, or consent of instructor.

C-56 QUANTITATIVE ANALYSIS II (2-8)4

A continuation of C-55 including volumetric and gravimetric precipitations, properties of precipitates, organic precipitants and electrolytic methods of analysis.
This course together with C-55 fulfills the analytical chemistry requirements of chemistry majors and others desiring a full year of analytical chemistry.
Prerequisite: C-55 with a grade of C or better.

C-65 FUNDAMENTALS OF ORGANIC CHEMISTRY I (3-6)5

Lecture and Laboratory. A study of the simpler aliphatic and aromatic mono- and polyfunctional compounds. A brief survey of biochemistry including the chemistry and metabolisms of fats, carbohydrates, and proteins. Some natural products are studied. This course is intended to satisfy the first semester requirements for students who intend to take a full year or more of organic chemistry as well as those who need only one semester.
Prerequisites: C-2, C-2L or C-4 and C-4L; or equivalent.

C-66 ORGANIC CHEMISTRY II (3-6)5

Lecture and Laboratory. A continuation of C-65. The more complex polyfunctional aliphatic and aromatic compounds are studied including substances of biological or technical importance and some heterocyclic compounds.
Prerequisite: C-65.

EDUCATION**Ed-1 COLLEGE ADJUSTMENT I (1-0)1**

An orientation program required of all freshmen, as well as transfer students who have not had an equivalent course.
Consists of a series of lectures designed to acquaint students with personal adjustment to college life.

Ed-53 GENERAL PSYCHOLOGY I (3-0)3

Fundamental principles of psychology and their application to life, covering the topics of emotion, intelligence, attention, perception, learning, memory, thinking, and motivation.

Ed-54 PERSONALITY AND SOCIAL ADJUSTMENT II (3-0)3

Includes individual emotional adjustments and the various phases of inter-relationships between the individual and the group.
Prerequisite: Ed-53

Ed-62 EDUCATIONAL PSYCHOLOGY **II (3-0)3**

The phases of psychology relating to the problems of teaching, with emphasis on growth, intelligence, individual differences, motivation, learning, heredity, and environment.

Prerequisite: Ed-53

Ed-66 CHILD PSYCHOLOGY **II (2-0)2**

A study of the growth, adjustment, and abilities of children (from birth through elementary grades). Emphasis is placed upon guiding the development of normal children.

Prerequisite: Ed-53

Ed-71 INTRODUCTION TO EDUCATION **(2-0)2**

An introductory course dealing with the profession of teaching, the development of a professional attitude, the study of the American education system, and the responsibilities of teachers, based on a broad understanding of the place of the school in society. Emphasis is placed on the personal, professional, and educational requirements in teaching and upon the opportunities, obligations, and compensations of teaching as a life work.

Ed-80 SCHOOL MANAGEMENT **II (2-0)2**

An introduction to the field of techniques and methods of teaching, a study of curriculum building as suggested in the state course of study, and a study of objectives of elementary schools. Practical applications are made of new projects and methods of rural and elementary teaching.

Ed-91 DRIVER EDUCATION AND TRAINING **2**

This course is only offered on special demand and with the approval of the Dean of Faculty who will make the necessary arrangements.

PART I

This part consists of a minimum of 18 hours of class recitations and discussions for which home reading and study have been assigned. The following topics are included: (1) history and development of driver education and training programs; (2) objectives of driver education; (3) local, state, and national traffic-safety programs; (4) driver qualifications; (5) psychophysical testing; (6) curricular content of school courses in driver education and training; (7) construction, operation, and maintenance of automobiles; (8) traffic laws and driver licensing; (9) traffic engineering; (10) pedestrian education and protection; (11) equipment for teaching driver education; (12) liability, costs, and insurance; (13) planning driver education as a part of the daily program of the high school; (14) public relations; (15) records and reports; and (16) visual aids in teaching driver education.

PART II

This part consists of a minimum of 20 hours devoted to the following: (1) behind-the-wheel instruction; (2) demonstrations and student-teacher practice in the car; and (3) road tests in traffic. Home reading and study are required in preparation for these projects.

Prerequisite: License to drive a car.

ENGINEERING**E-1 MECHANICAL DRAWING** **I (1-6)3**

Care and use of instruments, applied geometry, isometric and orthographic projections, auxiliary projections, pictorial representations and perspectives, with special emphasis on lettering.

- E-2 DESCRIPTIVE GEOMETRY** **II (1-6)3**
The graphical representations of points, lines, and geometrical magnitudes in space.
Prerequisite: E-1
- E-51 ELEMENTARY SURVEYING** **I (0-6)3**
Care and use of surveying instruments. Solutions of surveying problems, plane surveying methods of measuring distances, angles and elevations.
Prerequisite: M-11 or M-21, M-22
- E-52 ADVANCED SURVEYING** **II (0-6)3**
Geodetic surveying methods, astronomical observations, topographic surveys. Hydrographic surveys used in irrigation and drainage. Field practices in these branches.
Prerequisite: E-51
- E-56 BASIC MAPPING** **II (0-6)2**
Fundamentals of forest mapping, use of staff compass, abney hand level, and other specialized equipment.
Prerequisite: E-51
- E-62 ENGINEERING PROBLEM SOLUTION** **II (0-2)1**
A survey of the field of engineering. Instruction in the use of the slide rule. Supervised work emphasizing proper methods of work and correct form.
Prerequisite: M-21.
- E-63 ENGINEERING PROBLEM SOLUTION** **I (0-2)1**
A continuation of E-62. Formal and computational solution of problems in engineering.
Prerequisite: E-62.
- E-64 APPLIED MECHANICS (STATICS)** **II (3-0)3**
Co-planar, non-co-planar, concurrent and non-concurrent force systems.
Centroids and moments of inertia.
Prerequisite: M-21, M-22, Ph-53
- E-70 MECHANISM** **I (2-3)3**
Elements of machinery: motion-transmitting parts such as gears, belts, link work, etc. Includes three hours laboratory per week.
Prerequisite: E-2 or permission of instructor.

ENGLISH LANGUAGE AND LITERATURE

- EL-1 REMEDIAL READING** **I (2-0)1**
A course designed to meet the needs of students who show deficiencies in comprehension and facility of reading. This course is required of those students who do not make a satisfactory score in the Reading Orientation Examination.
- EL-3 FRESHMAN ENGLISH** **I (3-0)3**
Required of freshmen. Practice in both written and oral composition. The course is designed to develop correct language habits and to train the student in logical thought and effective expression.

- EL-4 FRESHMAN ENGLISH** II (3-0)3
Required of freshmen. A continuation of EL-3. This course also trains the student in collecting, organizing, and presenting material in larger units of composition.
- EL-12 VOCABULARY BUILDING** II (2-0)2
A study of words, with the object of increasing the vocabulary and gaining more accurate meanings for less common words.
- EL-21 INTRODUCTION TO LITERATURE** I (3-0)3
Reading and analysis of short stories, novels, and non-fiction prose.
- EL-22 INTRODUCTION TO LITERATURE** II (3-0)3
Reading and analysis of poems and plays.
- EL-35 NEWS WRITING** I (2-3)3
This is a basic course in news gathering and writing. Emphasis is placed on the proper interviewing procedure, news sources, and news values. Students will write for publication in the college newspaper. Lecture, laboratory and individual conferences may be arranged.
- EL-36 ADVANCED NEWS WRITING** II (2-3)3
This is an advanced course in which practical experience in writing publicity is gained by preparing copy for both school and local newspapers. Emphasis is also placed on the reporting and interpretation of special news, including business, education, labor, agriculture, and science. Lecture and Laboratory.
Prerequisite: EL-35.
- EL-51 INTERMEDIATE COMPOSITION** I (2-0)2
Practice in writing the expository and the informal essay.
Prerequisite: Permission of instructor.
- EL-52 INTERMEDIATE COMPOSITION** II (2-0)2
Continuation of EL-51 with inclusion of descriptive and narrative writing.
Prerequisite: Permission of instructor.
- EL-61 SPEECH** I (2-0)2
A general introductory course in public speaking planned to give fundamental theory and practice in speech preparation and delivery.
- EL-62 SPEECH** II (2-0)2
A continuation of EL-61.
Prerequisite: EL-61 or equivalent.
- EL-69 SURVEY OF ENGLISH LITERATURE** I (3-0)3
Chronological study of the greater figures and forces in the main stream of English Literature from the beginning to 1800.
- EL-70 SURVEY OF ENGLISH LITERATURE** II (3-0)3
Continuation of EL-69
- EL-75 RADIO PRODUCTION** I (1-2)2
A general introductory course. Training in microphone technique, tape recordings, and radio speaking. Experience is gained in standard radio station procedures.
- EL-76 RADIO PRODUCTION** II (1-2)2
A continuation of EL-75. Activities include radio acting, writing, and directing. Student management of productions is encouraged.

FOREIGN LANGUAGES

Note: Students having high school credit for two years of foreign language may not take the first year of the same language in college for credit. German and Spanish are offered during alternate years beginning with Spanish in 1956-57.

- FL-5 FIRST YEAR SPANISH** **I (5-0)5**
A course in grammar, prose composition, reading, and conversation.
- FL-6 FIRST YEAR SPANISH** **II (5-0)5**
Further study of Spanish grammar with emphasis on reading, composition, and conversation.
Prerequisite: FL-5.
- FL-15 FIRST YEAR GERMAN** **I (5-0)5**
A course in grammar, pronunciation, and reading.
- FL-16 FIRST YEAR GERMAN** **II (5-0)5**
Continuation of FL-15.
Prerequisite: FL-15
- FL-55 SECOND YEAR SPANISH** **I (3-0)3**
A course in second-year Spanish with emphasis on reading and conversation.
Prerequisite: FL-6.
- FL-56 SECOND YEAR SPANISH** **II (3-0)3**
Continuation of FL-55.
Prerequisite: FL-55.
- FL-65 SECOND YEAR GERMAN** **I (3-0)3**
A continuation of FL-16 with emphasis on reading and conversation.
Prerequisite: FL-16
- FL-66 SECOND YEAR GERMAN** **II (3-0)3**
A continuation of FL-65.
Prerequisite: FL-65.

GEOLOGY

- G-11 GENERAL GEOLOGY** **I (3-3)4**
A general introduction to physical and historical geology. For students majoring or minoring in geology, and for other students who wish to have a total of eight hours in introductory geology.
- G-12 GENERAL GEOLOGY** **II (3-3)4**
Continuation of G-11
Prerequisite: G-11
- G-51 MINERALOGY** **I (3-3)4**
A comprehensive course in the fields of mineralogy. The student is introduced to the more important fields of mineralogy, including crystallography, systematic mineralogy, chemical and physical mineralogy. Lectures are supplemented by laboratory determination of minerals by physical and chemical tests, and by study of collections.
- Prerequisite: General Geology and General Chemistry, one of which may be taken concurrently by permission of instructor.

HOME ECONOMICS

- HE-1 INTRODUCTION TO HOME ECONOMICS** I (1-0)1
An introductory survey of the home economics field as a major course of study in college and as a possibility for future employment.
- HE-7 ELEMENTARY TEXTILES** I (1-4)3
Application of art and economic principles to the selection and construction of textiles and clothing.
- HE-8 CLOTHING AND CONSTRUCTION** II (2-3)3
Fundamental construction processes applied to the making of clothing by the study of fashions, style trends, great fashion designers. The study of the use of the commercial pattern.
- HE-52 HOUSEHOLD EQUIPMENT** II (1-2)2
Selection and care of mechanical equipment for the home based upon the latest scientific applications.
- HE-61 EFFECTIVE HOME MANAGEMENT** I (2-0)2
Time, energy, and money management. Family finance, budget-making, meal planning, short cuts in the home.
- HE-71 HOUSE PLANNING** I (2-2)3
Types of home plans, material, construction practices. Floor plans based on the needs and desires of the family.
- HE-72 INTERIOR DECORATION** II (2-2)3
Basic course in decorating and furnishings of a home. The making of draperies, slip covers, upholstering, and curtains. The use of color and the effect it has on the house and the people who live in it. Prerequisite: HE-71

Terminal Courses

- HE-01 ELEMENTARY FOODS** I (0-6)3
Emphasis on fundamental processes of cooking and marketing. Training in the preparation of simple meals and party refreshments.
- HE-02 MEAL PLANNING** II (0-6)3
Provides more practice in individual and group work in planning, preparing and serving meals. Solving the problems of hostess in serving food on various occasions in the modern American home. Prerequisite: HE-01
- HE-05 FOOD PRESERVATION** I (0-4)2
Traditional methods of canning and preserving. Emphasis on modern principles of quick-freezing and the uses and techniques of the pressure cooker. Laboratory activities.
- HE-08 INFANT AND CHILD CARE** II (2-2)3
A study of the growth pattern from conception through infancy and the third year of life. Prenatal and postnatal factors which influence early development. The responsibilities of adults for providing a favorable home environment. Emphasis upon guidance and provision for care.

INDUSTRIAL ARTS

- IA-1 ELEMENTARY WOODWORKING** I (1-6)3
Begins with the fundamental processes in hand woodworking and carpentry through the layout and construction of simple projects. Includes the care, use, and maintenance of hand tools.
- IA-2 ADVANCED WOODWORKING** II (1-6)3
Continuation of IA-1. Bench woodworking. The use of hand tools in the construction of more complex projects. Includes the identification of woods, and attention to finishing processes.
- IA-10 ADVANCED DRAFTING** II (1-6)3
Practical problems in drafting and planning. Includes pencil tracing, inking, cabinet drawing. Instruction in blueprinting and other methods of duplication.
Prerequisite: E-1.
- IA-21 WELDING** I, II (1-3)2
Involves the fundamental uses and methods of operating oxyacetylene welding equipment.
- IA-31 HANDICRAFT** I, II (1-3)2
Basic processes of handicraft including wood turning, plastics, etc. Basic instructions on the use of hand and power tools.
- IA-51 MACHINE WOODWORK** I (1-3)2
Practice in the basic operating principles of woodworking machinery.
Prerequisite: IA-2.
- IA-61 MACHINE DRAWING** I (1-6)3
Machine layout and pictorial representation.
Prerequisite: IA-10.
- IA-70 INDUSTRIAL ARTS DESIGN** II (1-3)2
A study of the principles of design as they apply to industrial arts. Graduations of simple to more complex projects which can be carried out in the shop.
Prerequisite: IA-10.

MATHEMATICS

- M-2 SLIDE RULE MATHEMATICS** II (1-0)1
Open to all students of the college. Instruction in the basic principles and use of the slide rule.
- M-4 SOLID GEOMETRY** II (2-0)2
A study of the properties and theorems pertaining to solids and their application. No credit allowed those students who have had high school solid geometry.
Prerequisite: High School Plane Geometry.
- M-11 INTERMEDIATE ALGEBRA** I, II (3-2)3
Review of elementary algebra, linear and quadratic equations, variation, linear systems, exponents, functions and graphs, logarithms, and some statistics.
- M-12 TRIGONOMETRY** II (3-0)3
Trigonometric functions of acute angles, trigonometric functions of the general angle, review of logarithms, solutions of right and oblique triangles, trigonometric functions of two angles, reduction formulas, trigonometric equations.
Prerequisite: M-11

- M-21 COLLEGE MATHEMATICS I** I (5-0)5
A course designed for engineering students, mathematics and science majors.
Coordinates and loci, functions and graphs, linear equations and systems, variation, quadratic equations and systems, locus of an equation, binomial theorem, logarithms, theory of equations, radian measure, angles, trigonometric functions, and solving right triangles.
Prerequisite: 1½ units of high school algebra, 1 unit plane geometry.
- M-22 COLLEGE MATHEMATICS II** II (5-0)5
Properties of trigonometric functions, fundamental relations, trigonometric identities and equations, functions of two angles, solution of oblique triangles, inverse trigonometric functions, polar coordinates, complex numbers. The straight line; locus problems, transformation of coordinates, the circle, tangents, conic sections, coordinates, distances, directions, equations, and loci of space.
Prerequisite: M-21
- M-57 DIFFERENTIAL CALCULUS** I (5-0)5
Variables and functions, theory of limits, derivative, differentiation of algebraic functions and applications, the inverse of differentiation, differentiation of transcendental functions, and law of the mean.
Prerequisites: M-21, M-22.
- M-58 INTEGRAL CALCULUS** II (5-0)5
The definite integral, techniques of integration, geometrical applications of definite integrals. Further applications of differentials, limits, physical applications of definite integrals, infinite series, partial differentiation, curves and surfaces in space, double integrals.
Prerequisite: M-57
- MUSIC**
- Theory
- Mu-1 FUNDAMENTAL THEORY** I (4-0)3
An integrated course in music fundamentals, theory, ear training, sight singing, and keyboard.
- Mu-2 FUNDAMENTAL THEORY** II (4-0)3
A continuation of Mu-1 including traditional tertian harmony, both written and keyboard. Four part writing using primary and secondary triads, dominant seventh chords and their inversions.
Prerequisite: Mu-1
- Mu-51 ADVANCED THEORY** I (4-0)4
A continuation of Mu-2 including secondary sevenths, sequences modulation to relative tonalities, and non-essential tones.
Prerequisite: Mu-2
- Mu-52 ADVANCED THEORY** II (4-0)4
A continuation of Mu-51 with further expansion of the chordal material.
Prerequisite: Mu-51

Literature and History

- Mu-15 INTRODUCTION TO MUSICAL LITERATURE** I (2-0)2
A survey course designed to acquaint the student with the masterpieces of musical literature, principles of musical form and style.
- Mu-16 INTRODUCTION TO MUSICAL LITERATURE** II (2-0)2
A continuation of Mu-15.
- Mu-61 HISTORY OF MUSIC** I (2-0)2
A study of the development of music from its earliest beginnings through the age of Bach and Handel.
- Mu-62 HISTORY OF MUSIC** II (2-0)2
New styles: the rise of opera, the age of Haydn and Mozart, the romantic and post-romantic periods, and the twentieth century.

Music Education

- Mu-3 MUSIC FOR ELEMENTARY TEACHERS** I (3-0)3
A course in the fundamentals of music designed for the prospective classroom teacher in the elementary school.
- Mu-7 STRING INSTRUMENTS** I (0-3)1
Class lessons in a playing knowledge of all string instruments.
- Mu-8 BRASS AND PERCUSSION INSTRUMENTS** II (0-2)1
Class lessons in a playing knowledge of all brass and percussion instruments.
- Mu-9 WOODWIND INSTRUMENTS** I (0-2)1
Class lessons in a playing knowledge of woodwind instruments.

Ensembles

- Mu-21, 22, 71, 72 BAND** I, II (0-3)1
Open to all students who are proficient in playing a band instrument. Attendance at all public performances is required.
- Mu-27, 28, 77, 78, CHORUS** I, II (0-3)1
Open to all students who can and wish to sing. Attendance at all public performances is required.

Applied Music (Private Lessons)

Private lessons are given in piano and cello. These lessons are available to all students at any level of instruction. They may be taken with or without credit.

- Mu-37, 38, 81, 82 PIANO OR CELLO** I, II (½-0)1
A half-hour private lesson per week in piano or cello. Open to all students.
Special fee \$22.50 per semester.
- Mu-39, 40, 83, 84 PIANO OR CELLO** I, II (1-0)3
A one hour private lesson per week in piano or cello. Open to all students, but designed primarily for the music major.
Special fee \$37.50 per semester.

PHILOSOPHY**P-41 INTRODUCTION OF PHILOSOPHY I (3-0)3**

Designed to give the student a comprehensive and integrated view of the universe. The relationships of science, art, religion and social phenomena will be explored. Discussion of the various systems of modern thought with the aim in mind to furnish the student of basis for a satisfying personal philosophy.

PHYSICAL EDUCATION, HEALTH, AND RECREATION**PE-1 MEN'S PHYSICAL ACTIVITY I (0-2)1**

A course designed to promote physical fitness through such activities as volley ball, basketball, tennis, softball, and recreational games.

PE-2 MEN'S PHYSICAL ACTIVITY II (0-2)1

A continuation of PE-1

PE-11 HISTORY & PRINCIPLES OF PHYSICAL EDUCATION I (2-0)2

Preparation for majors in physical education, giving historical background and a general survey of physical education, health, recreation.

PE-18 PERSONAL LIVING II (3-0)3

A study of the maintenance and improvement of health.

PE-24 FIRST AID II (2-0)2

Instruction in first aid techniques leading to the Standard Red Cross Certificates and to the Advanced Certificate for qualified students.

PE-39 WOMEN'S PHYSICAL ACTIVITY I (0-2)1

Softball, soccer, volleyball, basketball, and physical fitness exercises.

PE-40 WOMEN'S PHYSICAL ACTIVITY II (0-2)1

Folk dancing, badminton, archery, tennis, winter sports, and physical fitness exercises.

PE-51 MEN'S PHYSICAL ACTIVITY I (0-2)1

A continuation of PE-2 with an added emphasis on skill in sports and carry-over activities.

PE-52 MEN'S PHYSICAL ACTIVITY II (0-2)1

A continuation of PE-51.

PE-65 PRINCIPLES OF RECREATION I (2-0)2

Course designed to study the philosophy, basis, needs, interests, and worthy use of leisure time in the individual and community phases of recreation.

PE-69 COACHING OF FOOTBALL I (2-0)2

Theory and practice of coaching; strategy and tactics; study of the different offenses and defenses; ethics and sportsmanship.

PE-74 OFFICIATING SPORTS II (2-0)2

Discussion and practice of officiating techniques in football, basketball, baseball, wrestling, and track and field.

PE-78 COACHING OF BASKETBALL II (2-0)2

Theory and practice of coaching; strategy and tactics; study of the different offenses and defenses; ethics and sportsmanship.

- PE-89 WOMEN'S PHYSICAL ACTIVITY** I (0-2)1
A continuation of PE-40
- PE-90 WOMEN'S PHYSICAL ACTIVITY** II (0-2)1
A continuation of PE-89

PHYSICS

- Ph-5 THE PHYSICAL SCIENCES** I (3-3)4
A course designed to give a broad understanding of the field of the physical sciences. Designed to fulfill the physical science requirements for curricula other than science majors and engineers. Covers in a broad correlated manner the fields of physics, meteorology, geology, chemistry, and astronomy.
- Ph-6 THE PHYSICAL SCIENCES** II (3-3)4
A continuation of Ph-5
Prerequisite: Ph-5
- Ph-53 GENERAL PHYSICS** I (3-4)5
A course forming the basis for studies in applied science and engineering. Covers the fundamental principles of mechanics, heat, and sound.
Prerequisite: M-21, M-22 or M-11, M-12
- Ph-54 GENERAL PHYSICS** II (3-4)5
A continuation of Ph-53. Covers the fundamental principles of light, magnetism, electricity, and modern physics.
Prerequisite: Ph-53

SOCIAL STUDIES

- SS-7 UNITED STATES HISTORY** I (3-0)3
A study of the origin and development of the United States from the discovery of America to the Civil War.
- SS-8 UNITED STATES HISTORY** II (3-0)3
History of the United States from the Civil War to the present, and the development of the nation as a world power.
- SS-17 AMERICAN GOVERNMENT** I (3-0)3
The fundamental principles upon which the American Government is founded; the organization of, and services rendered by, the national government, together with current political problems.
- SS-18 STATE AND LOCAL GOVERNMENT** II (3-0)3
A study of the nature, organization, and operation of state and local governments in the United States.
- SS-55 PRINCIPLES OF ECONOMICS** I (3-0)3
A study of the fundamental principles of economics with emphasis upon special problems in the field. Gives those not intending to specialize in the subject an outline of the general principles of economics. Not open to freshmen.
- SS-56 PRINCIPLES OF ECONOMICS** II (3-0)3
Continuation of SS-55
Prerequisite: SS-55

SS-67 INTRODUCTION TO SOCIOLOGY

I (3-0)3

Nature and dynamics of human society, the major social institutions, the various environments conditioning society, such as the geographical and cultural, and the factors and forces producing social changes.

SS-68 INTRODUCTION TO SOCIOLOGY

II (3-0)3

Continuation of SS-67

Colorado State Institutions of Higher Learning

Adams State College of Colorado.....	Alamosa
Fred J. Plachy, President	
Colorado Agricultural and Mechanical College.....	Fort Collins
William E. Morgan, President	
Colorado School of Mines.....	Golden
John W. Vanderwilt, President	
Colorado State College of Education.....	Greeley
William R. Ross, President	
Fort Lewis Agricultural and Mechanical College.....	Durango
Charles Dale Rea, President	
University of Colorado.....	Boulder
Ward Darley, President	
Western State College of Colorado.....	Gunnison
Peter P. Mickelson, President	