

F O R T L E W I S
Agricultural and Mechanical College

DURANGO, COLORADO

CATALOG 1959-1961

Series 10, Number 1

Fort Lewis A & M College

is dedicated to providing the best possible education for all those students who are accepted for study at the College. The courses offered enable Fort Lewis A & M College students to qualify for further study in senior colleges, universities, and professional schools, as well as to prepare for citizenship in a democratic society.

- A-7 Oil Painting (1-2)2
Students in oil painting will concentrate on drawing from life and still life, posing models and arranging still life drawings for painting, selecting appropriate subject matter; preliminary sketching in media other than oil. Preliminary instruction in oil painting materials and techniques.
- A-8 Oil Painting (1-2)2
A study of the basic elements of painting, through two and three dimensional design, color, space and a review of various media and techniques. Both individual and group projects are explored.
- 61-031 Elements of Photogrammetry (2-0)0
Aerial, terrestrial photogrammetry covered in elementary but thorough manner for needs of engineer who has to interpret photographs of earth's surface, prepare maps from such photographs. Book takes up not only methods of transferring data from aerial photographs to maps, but also such related features as descriptions of aerial cameras, their accessories, general procedure in obtaining aerial photographs, as well as identification of objects that appear on such photographs.

Fort Lewis
Agricultural & Mechanical College

DURANGO

COLORADO

Catalog

1959 - 1961

ACCREDITED BY THE NORTH CENTRAL
ASSOCIATION OF COLLEGES AND SECONDARY SCHOOLS

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

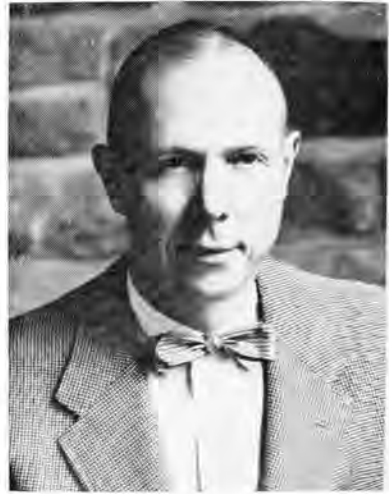
Series 10, No.1

Dear Friend:

As a high school senior you must soon answer the question:

- 1) Should I attend college?
- 2) If so, what college should I choose?

Seldom in your life will you have to make decisions of greater consequences, for the answer to these questions will have a major influence on your future success, happiness, and usefulness.



This student catalog has been designed to assist you in planning wisely for your future schooling, with specific reference to the educational program offered by Fort Lewis A & M College. In it you will find information, prepared by experts, on such subjects as the following:

- | | |
|--|------------------------------|
| Courses offered at Fort Lewis
A & M College | Living accommodations |
| Selecting a college major | The student-activity program |
| Cost of attending | Counseling services |
| Part-time work opportunities | Scholarships and loans |

Of course, no single bulletin can answer all of your questions. That is why the College maintains counseling and advisory services. These are available to you now and throughout your college career. You are invited to visit the campus during the spring or summer preceding the opening of college, to avail yourself of any assistance our staff can give you in connection with your college plans.

Sincerely yours,

Charles Dale Rea
President

COLLEGE CALENDAR FOR 1959 - 1960

1959

Sept. 9, Wednesday	Freshman Dormitory Room assignments 1:00 p. m. — 5:00 p. m.
Sept. 10, Thursday	Freshman Placement Tests
Sept. 11, Friday	Freshman Placement Tests
Sept. 14, Monday	Freshman Counseling
Sept. 14, Monday	Dormitory Room assignments for Sophomores 1:00 p. m. — 5:00 p. m.
Sept. 15, Tuesday	Freshman Counseling 8:00 a. m. — 12:00 noon
Sept. 15, Tuesday	Sophomore Registration 1:00 p. m. - 4:30 p. m.
Sept. 16, Wednesday	Registration for Freshman and Transfer Students
Sept. 17, Thursday	Classes begin at 8:00 a. m.
Sept. 23, Wednesday	Last day for tuition refund on withdrawal from College
Sept. 30, Wednesday	Registration closes
Oct. 7, Wednesday	Last day for one-half tuition refund.
Oct. 17, Saturday	Homecoming, Northeastern Junior College, Sterling, at Fort Lewis, 2 p. m.
Oct. 22, Thursday	Honors Convocation
Nov. 9, Monday	Mid-semester grades due in the Office of Admissions and Records at 8:00 a. m.
Nov. 16, Monday	Last day for dropping courses without penalty
Nov. 25, Wednesday	Thanksgiving Holidays begin at 8:00 a.m.
Nov. 30, Monday	Classes reconvene at 8:00 a. m.
Dec. 18, Friday	Christmas Holidays begin at 5:00 p. m.

1960

Jan. 4, Monday	Classes reconvene at 8:00 a. m.
Jan. 22, 23, 25, 26, Friday, Saturday, Monday, Tuesday	Final Examinations
Jan. 27, Wednesday	Final grades due in the Office of Admissions and Records at 1:00 p. m.
Feb. 1, 2, Monday, Tuesday	Registration, Sophomores will register on Monday forenoon, Freshmen and new students will register on Monday afternoon and Tuesday
Feb. 3, Wednesday	Classes begin at 8:00 a. m.
Feb. 9, Tuesday	Last day for tuition refund on withdrawal from College
Feb. 16, Tuesday	Registration closes
Feb. 23, Tuesday	Last day for one-half tuition refund
April 4, Monday	Mid-term grades due in the Office of Admissions and Records
April 11, Monday	Last day for dropping courses without penalty
April 13, Wednesday	Easter vacation begins at 8:00 a. m.
April 19, Tuesday	Classes reconvene at 8:00 a. m.
May 29, Sunday	Commencement
May 30, 31, June 1, Monday, Tuesday, Wednesday	Final Examinations

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State Board of Agriculture*

	Address	Term Expires
John H. Brownell	Hooper	1963
Walter B. Cooper	Fort Collins	1963
Chester G. Cruikshank	Granada	1963
Chester H. Enstrom	Grand Junction/96/	1963
Amer Lehman	Idalia 1965-	1963
Walter G. Lehrer	Denver 1961	1963
David E. McGraw	Durango 1965-	1963
C. Clarence Waneka	Lafayette 1967	1963
Governor Stephen L. R. McNichols)		
W. E. Morgan)	(Ex-Officio Members)	

OFFICERS*

Walter B. Cooper	President
David E. McGraw	Vice-President
Lowell H. Watts	Secretary
Joseph M. Whalley	Treasurer

EXECUTIVE COMMITTEE

Walter B. Cooper	David E. McGraw	C. Clarence Waneka
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* As of May 1, 1959

Personnel

OFFICERS OF ADMINISTRATION:

- Rea, Charles Dale President of College
 B. S., Colorado State University
 M.S., University of Southern California
 Ed.D., University of Colorado
- Taylor, Randall D. Dean of Faculty
 B.S., University of Nebraska
 M. Ed., Adams State College
- Reid, Charles H., Jr. Director of Admissions and Records
 A.B., Montclair State College
 M.Ed., University of Colorado
- Black, Daniel E. Business Manager
 B.S., University of Colorado
- Bender, Norman J. Assistant Business Manager
 B.S., Washington University
- Wallace, Edwin W. Dean of Students and Director of Athletics
 B.S. University of New Mexico
 Graduate Study, University of New Mexico
 Adams State College
- Goodwin, LeRoy W. Director of Information and Services
 B.A., University of Colorado
 M.A., University of Colorado
 Advanced Graduate Study, Columbia University

FACULTY:

- Admire, Alice K. Instructor of Home Economics
 B. S., Colorado State University
 Graduate Study, University of Idaho
 University of Denver
- Berg, David Assistant Professor of English
 B.A., Colorado College
 M.S., University of Utah
- Bowman, Frank O., Jr. Assistant Professor of Physical Science
 B.A., Williams College
 S.B., University of North Carolina
 Ph.D., University of North Carolina
- Bowman, Willard O. Assistant Professor of Education
 B.A., Berea College
 M.A., University of Colorado
 Advanced Graduate Study, University of Colorado
- Calhoun, Delmar E. Instructor of Engineering
 B.S., University of New Mexico
 Graduate Study, University of New Mexico
- Delaney, Robert W. Assistant Professor of Social Science
 and Chairman, Division of Liberal Arts
 B.S., Northeast Missouri State College
 A.B., Northeast Missouri State College
 M.A., University of New Mexico
 Ph.D., University of New Mexico

- Gamble, Rondal R. Instructor of Business
 B. S., Central State College
 Graduate Study, Adams State College
- Hallock, Marian Instructor of Physical Education
 B.S., University of Colorado
 M.A., Colorado State College
- Hart, Herbert D. Assistant Professor of Chemistry
 and Chairman, Division of Physical Science,
 Mathematics, and Engineering
 B.S., University of Denver
 M.S., University of Denver
 Advanced Graduate Study, University of Colorado
 Syracuse University
- Heuser, William L. Assistant Professor of Business
 B.A., University of Denver
 B.S., University of Denver
 L.L.B., Blackstone School of Law
 Advanced Graduate Study, University of Denver
 Louisiana State University
- Howard, Lyle Instructor of English
 B.S., Kansas State Teachers College
 M.A., Western State College
 Graduate Study, University of New Mexico
- Kelly, Floyd W. Assistant Professor of Business
 A.B., Colorado State College
 M.A., Colorado State College
 Advanced Graduate Study, Columbia University
 Colorado State College
- La Core, Clayton E. Instructor of Art
 B.S., University of Minnesota
 M.F.A., State University of Iowa
 Advanced Graduate Study, University of Arizona
- Nethery, Ruby Assistant Professor of Library Science
 B.A., University of Oklahoma
 B.L.S., University of Oklahoma
 M.A., University of Oklahoma
- Owen, Herbert E., Jr. Assistant Professor of Biological Science
 and Chairman, Division of Agriculture
 and Applied Arts
 B.S., Tulsa University
 M.S., Oregon State College
 Ph.D., Oregon State College
- Plachy, Fredric R. Assistant Professor of Mathematics
 B. A., Colorado State College
 M. A., University of Wyoming
 Advanced Graduate Study, Colorado State University
 University of Colorado
- Reid, Charles H., Jr. Assistant Professor of Education
 A.B., Montclair State College
 M.Ed., University of Colorado

- Rosenkranz, Edwin Assistant Professor of Music
 B.M., Tulsa University
 M.M., Tulsa University
 Advanced Graduate Study, University of Colorado
 Pennsylvania State University
- Seese, William S. Instructor of Science
 B.S., University of New Mexico
 M.S., University of New Mexico
- Shawcroft, Joseph L. Instructor of Agriculture
 B.S., Brigham Young University
 M.S., Kansas State College
- Skinner, Duane Instructor of Physical Education
 B.A., University of Denver
 Graduate Study, University of Denver
- Spangsborg, Donald J. Instructor of Industrial Arts
 B.A., Nebraska State Teachers College at Kearney
 M.A., Colorado State College
- Taylor, Randall D. Assistant Professor of Science
 B.S., University of Nebraska
 M.Ed. Adams State College
- Wallace, Edwin W. Instructor of Physical Education
 B.S., University of New Mexico
 Graduate Study, University of New Mexico
 Adams State College
- Whalen, Donald F. Instructor of Physical Education
 B.S., Arizona State College
 M.A., Arizona State College
 Advanced Graduate Study, Indiana University
- Wiley, Charles G. Assistant Professor of English
 B.A., University of New Mexico
 M.A., Columbia University
 Ph.D., 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
 D.Sc., Colorado State University
- 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. Harriet Berg Hostess, Women's Dormitory
 Mr. Fredric Plachy Proctor, Men's Dormitories

Experiment Station Staff

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

Standing Committees**Academic Standards:**

Functions—Admitting students, maintaining the standards of the college, supervising the testing program, and ruling on petitions for in-state status.

Assembly:

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

Athletic:

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

Curriculum:

Functions—Developing curriculum, revising catalog, and certifying candidates for graduation.

Disciplinary:

Function—Handling disciplinary cases.

Executive:

Functions—The senior committee, serving in administrative capacity during the absence of the President from the campus, long-range planning and building, considering problems of a policy-making nature, and serving as a board of appeal from other committee actions.

Library:

Functions—To aid and advise the librarian in the selection of books and films, the preparation of budgets and statistical data..

Public Relations and Planning:

Functions—Promoting sound public relations and long-range planning for the campus, printing of all college publications.

Student Financial Aids:

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

Student Orientation:

Functions—Planning and implementing an orientation program for students.

General Information

HISTORY:

Few colleges in the United States have a more colorful history than Fort Lewis A & M College. The history of the College goes back to 1880. In that year, Lt. R. E. A. Crofton, with five companies of the 13th Infantry Regiment and 100 government wagons, arrived in a beautiful valley seventeen miles west of Durango, Colorado, and started construction of Fort Lewis.

The army fort was built in the southwest corner of the state, not far from the point where the four states of Colorado, New Mexico, Arizona and Utah meet.

From 1880 to 1891, Fort Lewis was known generally as a cavalry post defending the developing pioneer country against possible Indian attack.

With the departure of troops from the fort, the federal government established an Indian school there, 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 as early as 1927. From 1933 to the present time, however, Fort Lewis A & M College has been exclusively a college-level institution. It was first a branch of Colorado A & M College (now Colorado State University), but in July, 1948, Fort Lewis became an independent institution, administered by the State Board of Agriculture.

In 1956, Fort Lewis A & M College moved to a new campus on College Heights in Durango, Colorado. The academic program is thus carried on in completely new college facilities: field work, demonstrations and practical phases of the agricultural curriculum are carried on at the College Experimental Farm, site of the old Fort Lewis campus.

Administrators who guided the destinies of the College were Mr. G. F. Snyder, first Dean, who served until his death in 1934; Mr. E. H. Bader, Dean from 1935 until 1948; Mr. Charles W. McLain, Acting Dean until the appointment in 1949 of Dr. Charles Dale Rea as President.

THE COLLEGE SETTING:

Fort Lewis A & M College is in an area unmatched for beauty. The campus itself is located on a high mesa overlooking the city of Durango; the towering La Plata and San Juan Mountains lie to the west and north. The scene from the mesa rim-road that circles the College campus is one of the most spectacular in the nation, affording a striking view of the mountains, the city of Durango and the Animas River valley.

The whole magnificent Southwest country is marked with high mountain peaks, forest areas, swiftly-moving mountain streams and green valleys.

Forty miles from Durango is Mesa Verde National Park. In Mesa Verde 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. Indian reservations of the Navajo, Apache, Ute and other tribes are located throughout the area.

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 in the United States. In Southeastern 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.

During the school year students are able to visit these and many other near-by areas of interest.

The natural setting surrounding the College provides some of the finest trout fishing, hunting, skiing, swimming and mountain climbing opportunities to be found in the nation.

CAMPUS AND FACILITIES:

Fort Lewis A & M College moved into its new facilities on College Heights in Durango, Colorado, in September, 1956. The Colorado General Assembly had authorized construction of the completely new campus two years earlier.

The campus, consisting of 140 acres, is a place of dramatic beauty. The style of architecture is distinctive; native stone, quarried near-by, and wide expanses of glass are featured in the buildings.

The city golf course borders the campus on one side, the city ski tow on another. Picnic grounds are located in the area. These recreation facilities are available to students of Fort Lewis A & M College. The campus is only a few blocks from the central business section of Durango. In the city are located theatres, fine restaurants, a new swimming pool, a bowling alley and a roller skating rink.

The Academic Building houses most of the educational program. Located within this building are administrative offices, the library, laboratories, and lecture-type classrooms. An attached greenhouse is available for instructional purposes.

The Fine Arts Building, completed early in 1958, houses a museum and art gallery, auditorium, painting and sculpture rooms, geology laboratory, and practice rooms and rehearsal facilities for music.

Industrial arts courses are taught 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 seating is provided for spectator comfort. A football stadium and playing field have recently been completed, and tennis courts are being constructed. Space is available for baseball and softball.

Funds donated by friends of the College have been used to provide the T. Chase McPherson Chapel, an interdenominational place of worship for Fort Lewis A & M College students.

Three dormitories were completed in 1957, two of which are for men and one for women. Each dormitory has a capacity of sixty students.

Also completed in 1957 was the Raman A. Miller Student Center, which houses a large ballroom-lounge, dining hall, snack bar, bookstore, and student offices. The dormitories and the Raman A. Miller Student Center are connected by arcades and function as the center for student activities.

Married-student housing is provided on the campus in twenty new apartments. The President's home is located on the rim of the mesa; a home is also provided for the groundskeeper.

The campus and buildings are both attractive and functional. Every possible facility is provided for supervised study and recreation. In the establishment of the curriculum of study, the designing of the buildings, and in the planning of other facilities, maximum effort has been made to make it possible for the 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. The College 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.

COLLEGE LIFE:

The 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.

The organization of recreational activities is largely extracurricular in nature. Supervised by the Dean of Students, the young people on campus plan and participate in a variety of leisure-time pursuits, such as dancing, horseback riding, skiing, hayrides, rock hunting, mountain climbing, swimming, skating, practicing archery, and many other activities. 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 important 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 College is accredited by the North Central Association of Colleges and Secondary Schools.

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:

For many years credits earned at Fort Lewis A & M College have been fully accepted at other colleges in the region. However, accreditation by the North Central Association of Colleges and Universities places academic credits earned at Fort Lewis A & M College on a par with those earned at other accredited colleges and universities throughout the United States and will allow the student to transfer to any college without difficulty.

SELECTIVE SERVICE DEFERMENT FOR COLLEGE EDUCATION:

The present regulations of the Selective Service Administration encourage capable and sincere students to achieve 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 his 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 student may continue to be deferred until he achieves a baccalaureate degree if he maintains the necessary scholastic average.

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 former service men and women obtain the benefits to which they are entitled. The Director of Admissions and Records will gladly answer questions about admission, credit or 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 a state-supported institution of higher learning. Under a stipulation of the federal government, all Indian students who are able to provide evidence of membership in a tribe will be admitted tuition free.

Services To Students

LIVING ACCOMMODATIONS:

Residence halls are furnished with the essential furniture and bedding except pillows. All decorative equipment, radios, etc., must be

provided by the student. 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 freshmen 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 Students 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, accommodates sixty students. A covered arcade connects the dormitory with the Raman A. Miller Student 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 houses sixty students. These units are attractive, two-story buildings, each containing thirty double rooms. They are connected to the Student Center by an 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.

STUDENT CENTER:

The Raman A. Miller Student 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. Trained personnel supervise the dining hall.

The College bookstore and snack bar are also located in the Student 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 adviser on the basis of his vocational and major field interest. He becomes acquainted with his faculty adviser whose friendly interest helps him to solve personal problems and to plan and evaluate his college work as he progresses.

The student's adviser continues as such unless the student changes his major or asks to be transferred. In helping the student register, the adviser 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 Dean of Students 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 and Records.

STUDENT HEALTH SERVICE:

The Student Health Service provides two physicians to care for illnesses and injuries of full-time students. Dr. Leo. W. Lloyd and Dr. Tullius W. Halley, whose offices are located at 2075 Main Avenue, Durango, Colorado, will provide treatment on an appointment basis.

Illness will be reported to the Dean of Students who in turn will arrange for individual appointments with the doctors. In the case of emergency, the College will furnish transportation to the doctors' offices or hospital.

To supplement the medical services provided by the College, all full-time students are required to participate in an accident insurance program. The program is compulsory for all students and cannot be waived for any cause.

This policy affords a maximum coverage of \$500.00 for each accident to cover doctor's bills, hospitalization and medications. Sickness benefits are paid on a scheduled basis. However, in case of sickness the student must be hospitalized. In case of an accident, it is not necessary to be hospitalized, but treatment by a doctor is necessary. Minor illnesses and injuries are provided for by the Student Health Service Program.

This policy provides protection for almost any type of accident, but it does carry the standard exclusion features specifically excluding accidents involved in non-commercial and non-schedule airlines and private aircraft.

For students participating in intercollegiate sports, the College provides an insurance program to cover injuries incurred while engaged in practice or competition. The schedule of benefits specifies a maximum coverage of \$250.00 for each accident.

Athletes who engage in intercollegiate sports are required to participate in an insurance program recommended by the National Junior College Athletic Association. The cost of this program is nominal—\$1.50. The athlete is insured up to \$5,000.00 for each injury incurred while engaged in recognized competition or while traveling to and from such a contest. This insurance policy carries a \$250.00 deductible clause. Used in conjunction with the policy mentioned above, 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. Application should be sent to the chairman of the Student Financial Aids Committee by April 1 of each year so that awards may be presented at High School Commencement Exercises. Most scholarships and grants pay tuition for the recipient.



A sunny day in front of the Academic Building



Raman A. Miller Student Center



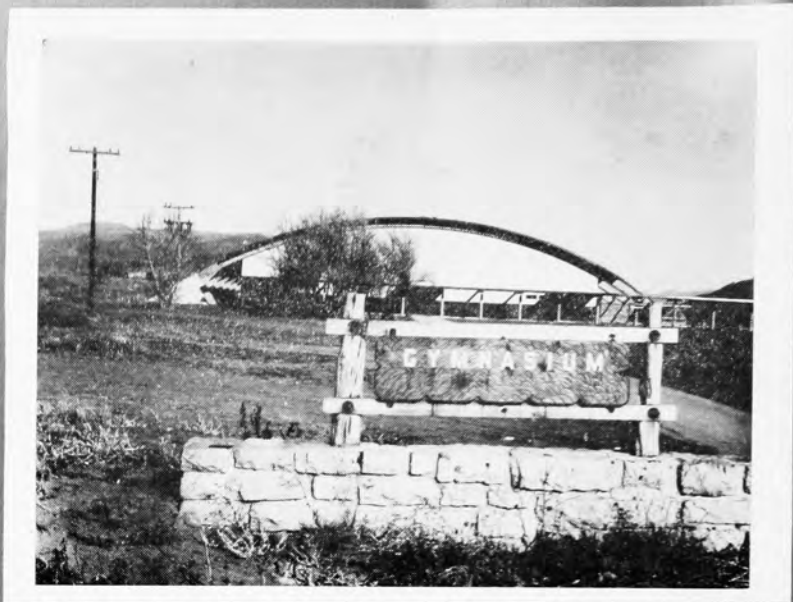
The Student Lounge and Dining Hall



Men's Dormitories



The Women's Dormitory
The School Lounge and Dining Hall



The Gymnasium



T. Chase McPherson Chapel



President's Home



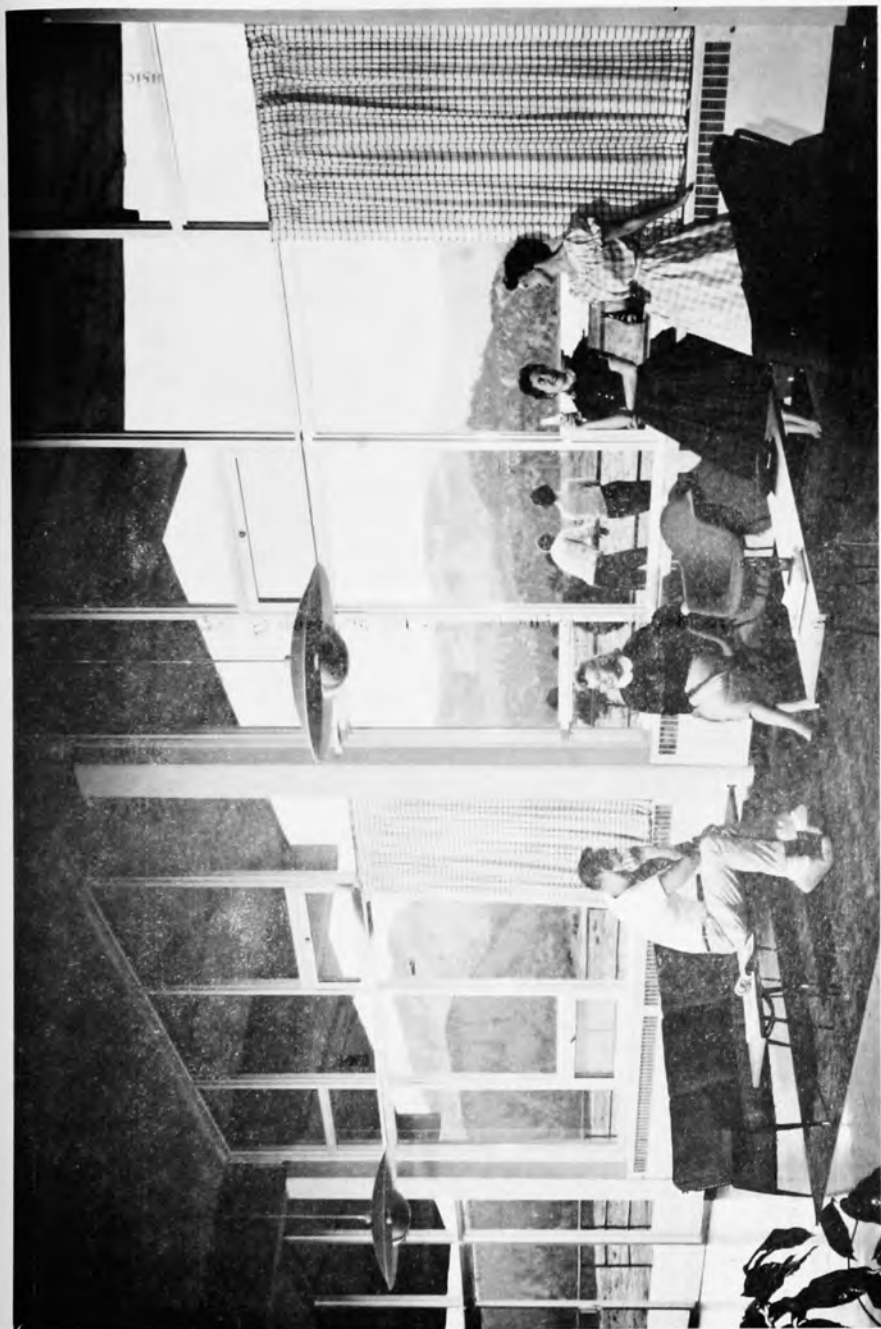
The Library at night



The Fine Arts Building provides facilities for art, geology and music.



The College art gallery and museum — where several cases of Indian pottery and rocks are on display and where traveling art shows and student works are exhibited.



A sunny day in front of the Academic Building



The Fort Lewis A & M College Experimental Farm



Beef judging at the Experimental Farm

Joint Honor Scholarships:

Fort Lewis A & M College is a participating institution in the Joint Honor Scholarship Plan, and the scholarships are honored by the College. To be eligible for the scholarships, students must rank in the upper 25 percent of their graduating class and must have attained a qualifying score on the Colorado Scholarship Test.

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.

To retain the Joint-Honor Scholarship, a recipient must attain a 2.00 scholastic average for the first semester of the freshman year, 2.50 cumulative average by the end of the freshman year, and a 2.75 cumulative average by the end of the first semester of the sophomore year. For transferring the Joint-Honor Scholarship at the end of the sophomore year a 2.75 cumulative average is necessary. Grades of scholarship recipients will be reviewed by the Student Financial Aids Committee at the end of each semester.

Recognition-of-Merit:

A student to be qualified for a Recognition-of-Merit Scholarship must have ranked in the upper one-third 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.

Scholarship recipients must attain a 2.00 scholastic average for the first semester of the freshman year, 2.50 cumulative average by the end of the freshman year, and 2.75 cumulative average by the end of the first semester of the sophomore year to retain the scholarship. Grades of scholarship recipients will be reviewed by the Student Financial Aids Committee at the end of each semester.

Educational Grants:

A limited number of Educational Grants are available and are awarded on the basis of leadership, satisfactory scholarship, and actual need. Recipients must maintain a 2.00 scholastic average each semester to retain the grant.

Music Grants:

A limited number of Music Grants are awarded to deserving students who have demonstrated particular ability in the field of music. To retain a music grant the recipient must maintain a 2.00 cumulative average.

Athletic Grants:

A number of Athletic Grants are awarded each year to students who have demonstrated particular ability in the field of athletics. These grant recipients must attain a 1.50 scholastic average for the first semester of the freshman year, a 1.75 cumulative average at the end of the freshman year, and a 2.00 cumulative average by the end of the first semester of the sophomore year to retain the grant.

Sponsored Scholarships:

A number of organizations and business firms in Durango and nearby communities annually sponsor scholarships for deserving students.

These scholarships are awarded on the basis of need as well as scholarship and all-around ability. The scholarships are worth between \$110.00 and \$250.00, depending upon the sponsor's stipulations. Further information concerning sponsored scholarships may be obtained by writing the Student Financial Aids Committee.

LOAN FUNDS:

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

Fort Lewis A & M College is a participating institution in the National Defense Loan Fund.

A number of tuition loans are available. These loans cover only the tuition and may be extended from semester to semester if the applicant maintains a 2.00 scholastic average. The loans become due one year after graduation from Fort Lewis A & M College or three years after graduation from Fort Lewis A & M College in the event that the student transfers to a baccalaureate degree granting institution.

EMPLOYMENT OPPORTUNITIES:

The College has established an employment service to assist students in obtaining campus and off-campus work and placement of its graduates who seek permanent positions. This service is available to students at all times. A student desiring employment should confer with the Dean of Students.

AWARDS:

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

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

LIBRARY:

Serving every department of the College as a central unit of instruction, the library provides ever increasing facilities for research as well as for general reading.

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, 1959**

Registration Fee (Per semester)	\$5.00
However original registration fee must accompany the application for admission.	
Resident Tuition (per semester)	
Students registered in nine hours or more	\$55.00
Students registered for fewer than nine hours (per hour)	\$6.00
Non-Resident Tuition (per semester)	
Out-of-state student registered for nine hours or more ..	\$100.00
(includes \$45 non-resident fee)	
Out-of-state student registered for fewer than nine hours	
(per hour)	\$11.00

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

A student is classified as 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, 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

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

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 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)	\$20.00
Cadet fee (pays for the student's copy of the yearbook, collected at the beginning of the semester upon registration)	\$ 5.00
Student Union fee (per semester)	\$ 5.00
Health fee (12 months insurance coverage - assessed for College health program. Collected at the beginning of the semester upon registration)	\$20.00

SPECIAL FEES:

Late Registration	\$ 5.00
Fee for schedule change requested by the student	1.00
Special Examination Fee	5.00
Transcript of Credits (the first one is free)	1.00
Applied Music (in addition to regular tuition for non-music majors. One half-hour lesson per week (instrumental) (per semester)	25.00
Two half-hour lessons per week (instrumental) (per semester)	40.00
*Laboratory Fees—(per semester)	
Biological Sciences Courses (except Conservation)	5.00
Ceramics	5.00
Chemistry	10.00
Foods	7.50
Geology	10.00
Elements of Art Metal	5.00
Physics	5.00
Physiology of Farm Animals	5.00
Soils	7.50
Sculpture	5.00
Typing	3.00
Welding	18.00
Woodworking	5.00
Zoology	5.00
Graduation Fee	7.50
Graduation in Absentia Fee	15.00

Charges for audit courses shall be at the regular tuition rate. Information concerning audit courses may be obtained from the Director of Admissions and Records.

DEPOSITS:

Room deposit	\$20.00
Apartment deposit	25.00
(Any unused portion of these deposits shall be returned.)	

RESIDENCE HALLS:

Board—per semester (18 meals per week)	\$195.00
Room—per semester	100.00
Total	<u>\$295.00</u>

MARRIED-STUDENT HOUSING:

One-bedroom apartment—per month	\$ 55.00
Two-bedroom apartment—per month	60.00
Rental rates include all utilities except gas. Gas is provided by the local utility company on a metered basis to each apartment.	

*Excessive breakage in any laboratory course will result in the assessment of an additional fee sufficient to cover expense incurred.

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 complete, 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 designated College official, a student may make arrangements to pay room and board charges in three installments as follows: \$100.00 due and payable upon occupying the dormitory; \$100.00 due the first of the following month; \$100.00 due the first of the second following month.

College Housing Application forms may be obtained from the College Housing Office. A \$20.00 room deposit must be remitted with all Dormitory Housing applications. Room assignments will not be made until this payment has been received by the College. All students who live in the dormitories are required to take their meals in the College dining hall.

The first month's rent must be remitted with the application for Married-Student Housing. A security deposit of \$25.00 is required at the time keys to the apartment are issued. Priority in the assignment of apartments will be made on the basis of date of receipt of the complete application and the date occupancy is desired. Date of occupancy will be given first consideration in the assignment of apartments.

The Fort Lewis A & M College Married-Student Housing is operated for and is available only to those married students who are duly Registered full-time students. The Male head of the household must maintain eligibility. A student must be registered for at least 12 semester hours, excluding physical education to qualify as full-time.

In the event that a student who has submitted the full application for dormitory housing decides not to live in the dormitories, such notice must be in the College Housing Office at least 30 days before the beginning of the term housing is required. Refunds will be made if such notice is received within the time specified giving consideration to the cost of processing the application.

No refunds will be made on application received for Married-Student Housing unless the College is notified at least three weeks in advance of date of occupancy as stated on the application.

Refund of Tuition and Fees:

A student dismissed from college as a result of official College action will automatically forfeit all tuition and fees.

Fees are not refundable to any student withdrawing from college.

A student withdrawing from college within seven (7) days after the official registration date may obtain a full refund of tuition. A student withdrawing after the first seven (7) days and before the 21st day may obtain a refund of one-half the tuition. No refunds will be made 21 days from date of registration.

Refund of Resident Hall Fees:

No refunds will be made to students paying on an installment basis.

A student withdrawing from college within the first seven (7) days may obtain a refund not to exceed 40% of the room fee. A student withdrawing after the first seven (7) days and before the 21st day may obtain a refund of the room fee not to exceed 30%. No refunds will be made 21 days from date of registration.

The policy on refund of Board Fees shall be: A refund will be made of any balance remaining after an assessment of \$50.00 plus \$12.50 per week for the time the student took his meals in the College dining hall. No refund of Board Fees will be made after 10 weeks from date of registration.

AVERAGE COST FOR AN IN-STATE STUDENT ATTENDING FORT LEWIS A & M COLLEGE FOR ONE YEAR:

Tuition and Registration Fee	\$120.00
Student Fees	55.00
Health Fee	20.00
Room	200.00
Board	390.00
Total	\$785.00

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 \$275.00 per year.

VETERANS BENEFITS:

Fort Lewis A & M College has been approved by the Veterans Administration for the training of veterans under Public Laws 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 Director of Admissions and Records.

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

All veterans who are considering using their veterans benefits at Fort Lewis A & M College should consult with the Director of Admissions and Records 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 extracurricular 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, Winter Formal, Spring Formal 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 extracurricular activities is covered by the regular Associated Students fee.

STUDENT GOVERNMENT:

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

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.

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.

DRAMATICS CLUB:

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

G. I. CLUB:

A service club which is open to all former members of the armed services.

UNITED CHRISTIAN YOUTH CLUB:

A non-denominational group formed with the purpose fostering better Christian living among the students. Membership is open to all students.

WESTERNERS' CLUB:

The Westerners' Club is open to all students interested in activities of a western nature. The Club also sponsors square dances on the campus.

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 Association. 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."

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.

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 Director of Admissions and Records, Fort Lewis A & M College, College Heights, 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 Director of Admissions and Records 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 Director of Admissions and Records, Fort Lewis A & M College, College Heights, 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."

ADMISSION STANDARDS:

Admission of High School Graduates:

Any graduate of an accredited high school in the upper three-fourths of his class who has completed fifteen acceptable units of high school work in grades 9 through 12, is eligible for admission to the freshman class. Of the fifteen required units, the applicant must show successful completion of a minimum of seven units in the following basic subjects:

- English — 3 units
- Social Studies — 1 unit
- Laboratory Science — 1 unit (only chemistry, biology and physics are considered as laboratory sciences)
- Mathematics — 2 units

Applicants with deficiencies in the above pattern of studies with the exception of English may be admitted on academic probation. It is expected that students entering with deficiencies will remove them as soon as possible. Applicants in the lower quarter of their high school classes may be admitted on academic probation.

Applications from graduates of unaccredited high schools may be admitted on academic probation. Students admitted on academic probation will be released from probation or reinstated to good standing on the basis of tests or if they obtain at least a 1.25 scholastic average for the first semester.

Students majoring in engineering are recommended to have completed the following pattern of studies and a satisfactory score on placement tests if they expect to complete successfully an engineering program.

- English — 3 units
- Mathematics — 3 units of which at least 1½ units are algebra and 1 unit is of plane geometry.
- Laboratory Science — 2 units (only chemistry, biology and physics are considered laboratory sciences)
- Social Studies — 1 unit

Such students not having the mathematics background will be required to take the deficiency courses, algebra and trigonometry. Generally, this will necessitate an extra year in college or deficiencies can be removed during a summer session at a college.

Admission of Transfer Students:

Students transferring from other colleges will be admitted in good standing if a cumulative scholastic average of "C" or better has been obtained in all previous college work and they have been honorably dismissed from the college previously attended. Credentials from high school will be required (if inadequately shown on college transcript or if student has completed less than 26 semester hours of college work) and transcripts from every collegiate institution attended are to be on file.

In cases where the transcript has not arrived before registration, the student may be admitted on probation. If the transcript has not been received after a reasonable time, the student may be suspended. 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.

The student must indicate on the application all previous college attendance. A student found guilty of non-disclosure or misrepresentation in completing the admission application will be subject to disciplinary action, including possible dismissal from the College.

Credit will be given for work transferred from a college carrying a grade of "C" or better. Credit in sequence courses with an average grade of C- or better will also be accepted.

A student who has been dropped, suspended, or dismissed from another college will not be considered for admission, until an honorable dismissal has been obtained from the college previously attended or by special action of the Academic Standards Committee.

Course credits accepted in transfer are recorded on the permanent record card but not grades and grade points. Thus only work completed at this College is included in the Fort Lewis grade point average except in determining honors.

Readmission:

Former students of the College returning after an absence of one or more semesters are required to file an application for readmission. Students who have attended other collegiate institutions since attending Fort Lewis A & M College are required to file complete transcripts of work earned at those colleges.

Admission of Adults:

Veterans or adults who did not complete high school but who pass the General Educational Development Tests may be admitted as regular students.

Adults not desiring regular college status or those not being able to meet the admission requirements may be admitted as special students provided:

1. The applicant should be at least 18 years of age, or must have been graduated from a high school
2. Previous academic records are not required.
3. Persons so registered are subject to all regulations governing registration, attendance, and academic standing.

Admission of Foreign Students:

Fort Lewis A & M College has been approved by the United States Department of Justice as an institution of higher learning for non-quota immigrant students. In general, foreign students are required to qualify for admission as other students do, but because of certain additional factors involved in their situation, a brief statement of admissions policies pertaining to foreign students may be obtained by writing the Director of Admissions and Records. However, students from foreign institutions, where the English language is not the common mode of communication, will be admitted only at the fall semester registration.

Early Admission:

A limited program in early admission for a selected number of well qualified high school students is now being administered. Information may be secured by writing the Director of Admissions and Records.

Advanced Placement:

Students who have completed college-level studies in high school

under the advanced Placement Program sponsored by the College Entrance Examination Board, and who have received satisfactory grades in examinations administered by the Board, may be granted credit in comparable Fort Lewis A & M College courses on admission to freshman standing.

Students who have demonstrated unusual ability upon the recommendation of the instructor and division chairman may receive credit for certain college courses offered by the College according to either or both of these plans:

1. The student may be excused from regular attendance and assigned work to be accomplished individually.
2. After passing a special examination the student may be granted full credit for the course with a grade of C or better depending upon the score obtained in the examination.

The maximum amount of credit established by examination may not exceed 24 semester hours. The fees for examination to establish credit are set at \$2.50 per semester hour of credit regardless of whether the examination is passed or failed. The application form for examination to establish credit must be completed by the student to determine eligibility. This form may be secured from the Office of Admissions and Records.

STUDENT CLASSIFICATION:

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 nine 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 English test are required to take a special section of **Freshman English**.

It is anticipated that freshmen entering Fort Lewis A & M College in September, 1960, will be required to take the American College Testing Program for placement purposes.

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 curriculum 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 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.

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. Four semester hours credit for required Physical Education will be granted. 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 Director of Admissions and Records 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 Office of Admissions and Records for all students.

COURSE LOADS AND LIMITS:

The normal student load is sixteen semester hours. The minimum load for a full-time student is nine 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 Director of Admissions and Records or Dean of Faculty.

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 a 1.50 average in subsequent semesters are subject to academic probation or suspension by the Academic Standards Committee.

Students admitted on academic probation who do not attain a 1.25 scholastic average during their first semester in College may be sus-

pended. Transfer students admitted on academic probation who do not attain a 1.50 scholastic average during the first semester in residence may be suspended.

A student who is placed on academic probation can return to good standing by attaining the minimum requirement.

If a student on academic probation fails to acquire a cumulative 1.50 scholastic average by the end of the subsequent semester, he may be suspended, generally, for a semester after which he may apply for readmission.

All Committee actions will be noted on a student's permanent record card.

GRADUATION:

Every sophomore must complete a petition for graduation and pay the graduation fee on registration day of the semester in which he expects to graduate. It will be the duty of the Curriculum Committee to approve each petition.

A student may petition the Curriculum Committee for a waiver in the requirements of a curriculum at this institution if these requirements do not conform to the requirements of the same or related curriculum of the college to which the student plans to transfer. A petition for a waiver must be approved by the end of the second week of the semester in which the student expects to graduate.

To graduate from Fort Lewis A & M College with an Associate Degree a student must:

1. Complete a minimum of 65 semester hours of work, including six hours of Freshman English or equivalent and four hours of physical education (unless officially excused).
2. Have obtained a cumulative 2.0 quality point average ("C" average).
3. Satisfy the requirements of the curriculum selected.
4. Satisfy all the 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.

The Associate of Science Degree is conferred upon successful candidates in the curricula of General Agriculture, Agricultural Science, Forestry, Engineering, Geology, Chemistry, Medical Technology, Pharmacy, Pre-Medicine, Pre-Veterinary Medicine, General Arts and Science majors with 24 hours or more of a laboratory science.

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 students must have earned at least 30 semester hours in residence at Fort Lewis A & M College.

EVENING EDUCATION PROGRAM:

To meet the needs of adults of the area served by Fort Lewis, college-level courses are offered in the late afternoon and evening. These courses carry full college credit toward a degree when a person is a fully matriculated student. Classes offered under this program are part of the regular College offerings and are generally taught by faculty members of the College, but moved to a late afternoon or evening hour to permit adults to attend.

A special Evening Program Bulletin describing the current offerings, eligibility for admission and procedures for registration is issued each semester and may be obtained upon request.

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.

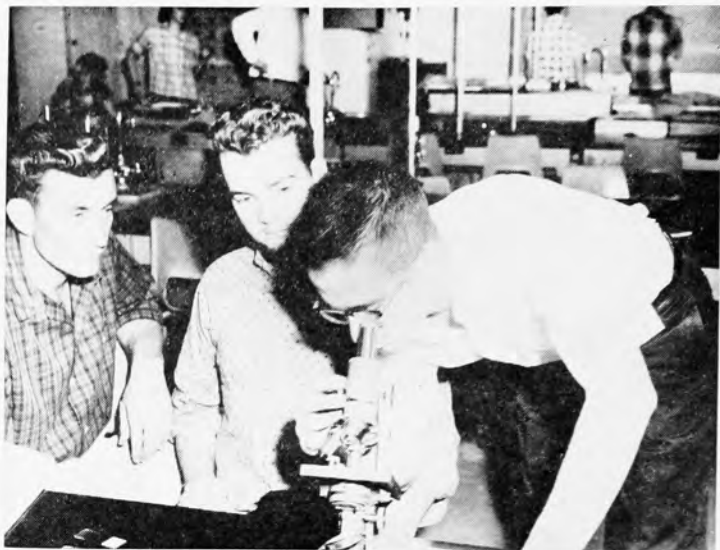
Credits for extension work toward the Associate of Arts Degree will apply only when the student has matriculated as a regular student to work toward the degree.



Art majors in a sculpture class



Arts and science majors are offered courses in a variety of fields.



The finest of equipment is available to the biological sciences major.



A Division of Business major receives help. The curriculums are strong in business administration, business education and secretarial science.



Chemistry



An elementary education honors student (center) joins three friends for a between-classes study session.



Engineering majors



Field trips and a campus greenhouse are utilized in training forestry majors.



A geology class. The mountain and mesa area of the Southwest provides an outdoor workshop for the geologist.



Practical training in a home economics class



Woodworking is among the courses offered in industrial arts.



A music education major receives individual attention.



Archery, in a women's physical education class



Studying in the library



A room in the women's dorm. Dormitories are also provided for men.



A married couple and their child celebrate the Christmas season in an on-campus apartment.

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 adviser, the instructors concerned, and the Director of Admissions and Records.

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:

The proper dropping of a course is the responsibility of the individual student, not that of advisers, faculty, or administration. A grade in a course dropped by a student up to one week beyond the date that mid-semester grades are turned in to the Office of Admissions and Records is to be either "WP" or "WF" as the case may be. After this time to the end of the 15th week of a semester a grade of "WF" will be recorded, unless the reason for dropping the course is a circumstance clearly beyond the student's control. 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 Academic Standards Committee to show cause.

WITHDRAWAL FROM COLLEGE:

A student who desires to withdraw from college must first obtain the necessary withdrawal form from his adviser. Withdrawal will be permitted only after the student has obtained clearance from his class instructors, the Librarian, Auxiliary Services Manager, the Director of Admissions and Records, 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 his adviser 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 Office of the Dean of Students.

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 general 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.

A grade of "F" will be given in the case of students who are suspended or dismissed from the College during a semester.

ATTENDANCE:

Students are expected to be in attendance for all registered classes and laboratories. Excessive absences may, by faculty action, be deemed sufficient grounds for dismissal of a student from the College.

FINAL EXAMINATION POLICY

(1) Every student is required to take each of his examinations at the scheduled time and place in order to receive credit.

(2) A student absent from an examination without an excuse from the Dean of Faculty receives a grade of 0 for the examination.

(3) Any student missing a final examination without a valid excuse must have permission of the Dean of Students and his instructor and pay a fee of \$5.00 to make up the missed examination.

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

A	Art
Ag	Agriculture
BS	Biological Science
B	Business
C	Chemistry
Ed	Education
E	Engineering
EL	English Language and Literature
F	Forestry
FL	Foreign Language
GE	General Education
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

The academic program of Fort Lewis A & M College is organized into the five divisions of:

Agriculture and Applied Arts
Business
Humanities and Language Arts
Liberal Arts
Physical Science, Mathematics, and Engineering

The courses of study are arranged according to these divisions.

Under the Division of Agriculture and Applied Arts, Fort Lewis A & M College offers majors in Agricultural Science, General Agriculture, Practical Agriculture (a Terminal Curriculum), Forestry and Range Management, Home Economics, Industrial Arts, and Pre-Veterinary.

The Division of Business offers the four majors of Business Administration, Business Education, Secretarial Science (a Terminal Curriculum), and Vocational Business Administration (a Terminal Curriculum).

Under the Division of Humanities and Language Arts, the College offers majors in Art and Music Education.

The Division of Liberal Arts is responsible for the following majors: Elementary Education, General Arts and Science, Pre-Dental, Pre-Law, Pre-Medicine, Pre-Nursing, Pre-Pharmacy, Physical Education, and Secondary Education.

In the Division of Physical Science, Mathematics, and Engineering, the College offers majors in Chemistry, Engineering, Engineering Technology (a Terminal Curriculum), Geology, and Medical Technology.

The terminal courses of study of Practical Agriculture, Secretarial Science, Vocational Business Administration, and Engineering Technology are offered for those students who are not planning to take a four-year program.

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.

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 STUDENTS OF A WRITTEN REQUEST FROM THE COLLEGE PHYSICIAN.

DIVISION OF AGRICULTURE AND APPLIED ARTS

Agriculture

The curriculums in Agriculture have been arranged to meet the needs of the students according to the course of study in which they wish to major.

Students who intend to major in the fields of Animal Husbandry, Agronomy, Horticulture, Dairy and Poultry will follow the Agricultural Science curriculum.

Students who intend to major in General Agriculture, Vocational Agriculture, Agricultural Economics, Agricultural Journalism or similar fields will follow the General Agriculture curriculum.

Agricultural Science

FRESHMAN YEAR

First Semester

		Hours	Credits
Ag-3	The Agricultural Profession	(1-0)	1
BS-21	General Botany	(3-3)	4
BS-9	Introduction to Zoology	(3-3)	4
C-11	General Inorganic Chemistry	(4-3)	5
EL-3	Freshman English	(3-0)	3
PE-1	Men's Physical Activity	(0-2)	1
			18

Second Semester

		Hours	Credits
BS-22	General Botany	(2-3)	3
C-12	General Inorganic and Organic Chemistry	(4-3)	5
EL-4	Freshman English	(3-0)	3
M-11 or M-9	College Algebra	(3-0)	3
PE-2	Men's Physical Activity	(0-2)	1
	Electives		2
			17

SOPHOMORE YEAR

First Semester

		Hours	Credits
Ph-51	General Physics	(3-3)	4
Ag-1	Crop Production	(2-2)	3
Ag-11	Introduction Animal Husbandry	(2-3)	3
¹ Ag-69	Physiology of Farm Animals	(3-0)	(3)
	or		
¹ Ag-91	Farm Management	(3-0)	(3)
Ag-67	Livestock Judging	(0-3)	1
M-12	Trigonometry	(3-0)	3
PE-51	Men's Physical Activity	(0-2)	1
			18

Second Semester

		Hours	Credits
Ag-60	Soils	(3-2)	4
¹ Ag-16	Elements of Dairying	(2-3)	(3)
	or		
² Ag-91	Farm Management	(3-0)	(3)
¹ Ag-74	Feeds and Feeding	(2-2)	(3)
	or		
² Ag-78	Forage Crops	(2-3)	(3)
Ph-52	General Physics	(3-3)	4
PE-52	Men's Physical Activity	(0-2)	1
			15
			68

¹Courses to be taken by animal science majors.

²Courses to be taken by agronomy and horticulture majors.

General Agriculture

FRESHMAN YEAR

First Semester

		Hours	Credits
Ag-3	The Agricultural Profession	(1-0)	1
Ag-11	Introductory Animal Husbandry	(2-3)	3
BS-21	General Botany	(3-3)	4
C-11	General Inorganic Chemistry	(4-3)	5
EL-3	Freshman English	(3-0)	3
PE-1	Men's Physical Activity	(0-2)	1
			<hr/> 17

Second Semester

		Hours	Credits
Ag-16	Elements of Dairying	(2-3)	(3)
	or		
Ag-54	General Horticulture	(2-2)	(3)
Ag-40	Farm Machinery	(2-3)	3
C-12	General Inorganic and Organic Chemistry	(4-3)	5
EL-4	Freshman English	(3-0)	3
PE-2	Men's Physical Activity	(0-2)	1
	Electives		2
			<hr/> 17

SOPHOMORE YEAR

First Semester

		Hours	Credits
Ag-1	Crop Production	(2-3)	3
Ag-91	Farm Management	(3-0)	3
BS-9	Introduction to Zoology	(3-3)	4
SS-55	Principles of Economics	(3-0)	3
M-11 or M-9	College Algebra	(3-0)	3
Ag-67	Livestock Judging	(0-3)	1
PE-51	Men's Physical Activity	(0-2)	1
			<hr/> 18

Second Semester

		Hours	Credits
Ag-60	Soils	(3-2)	4
Ag-74	Feeds and Feeding	(2-2)	3
BS-52	Applied Entomology	(2-3)	3
M-12	Trigonometry	(3-0)	3
SS-56	Principles of Economics	(3-0)	3
PI-52	Men's Physical Activity	(0-2)	1
			<hr/> 17
			<hr/> 69

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
IA-1	Elementary Woodworking	(1-6)	3
Ag-3	The Agricultural Profession	(1-0)	1
Ag-11	Introductory Animal Husbandry	(2-3)	3
Ag-1	Crop Production	(2-3)	3
PE-1	Men's Physical Activity	(0-2)	1
	Electives		3
			17

Second Semester

EL-4	Freshman English	(3-0)	3
Ag-16	Elements of Dairying	(2-3)	3
IA-2	Advanced Woodworking	(1-6)	3
Ag-40	Farm Machinery	(2-3)	3
BS-36	Principles of Conservation	(1-3)	2
PE-2	Men's Physical Activity	(0-2)	1
			15

SOPHOMORE YEAR

First Semester

Ag-91	Farm Management	(3-0)	3
Ag-69	Physiology of Farm Animals	(2-3)	3
Ag-67	Livestock Judging	(0-3)	1
B-21	Basic Welding	(1-3)	2
BS-21	General Botany	(3-3)	4
PE-51	Men's Physical Activity	(0-2)	1
	Electives		2
			16

Second Semester

Ag-78	Forage Crops	(2-3)	3
Ag-74	Feeds and Feeding	(2-2)	3
Ag-60	Soils	(3-2)	4
Ag-54	General Horticulture	(2-2)	3
PE-52	Men's Physical Activity	(0-2)	1
	Electives		3
			17
			65

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 Colorado State University, Fort Collins, Colorado, including the requirements of practical field instruction during residence in an organized summer camp.

FRESHMAN YEAR

First Semester

		Hours	Credits
BS-21	General Botany	(3-3)	4
C-11	General Inorganic Chemistry	(4-3)	5
EL-3	Freshman English	(3-0)	3
F-1	Forestry And Allied Professions	(1-0)	1
M-11	College Algebra	(3-0)	3
PE-1	Men's Physical Activity	(0-2)	1
			17

Second Semester

BS-22	General Botany	(2-3)	3
C-12	General Inorganic and Organic Chemistry	(4-3)	5
EL-4	Freshman English	(3-0)	3
M-12	Trigonometry	(3-0)	3
PE-2	Men's Physical Activity	(0-2)	1
BS-58	Elementary Systematic Botany	(3-3)	4
			19

SOPHOMORE YEAR

First Semester

		Hours	Credits
E-51	Elementary Surveying	(0-6)	3
F-10	Dendrology	(3-3)	4
G-11	General Geology	(3-3)	4
BS-9	Introduction to Zoology	(3-3)	4
PE-51	Men's Physical Activity	(0-2)	1
			16

Second Semester

C-68	Organic Chemistry	(2-0)	2
Ag-60	Soils	(3-2)	4
F-59	Range and Forage Plants	(2-3)	3
PE-52	Men's Physical Activity	(0-2)	1
BS-36	Principles of Conservation	(1-2)	2
F-2	Map Drafting and Reading	(0-3)	1
Ph-2	Principles of Physics	(3-3)	4
			17
			69

Home Economics

FRESHMAN YEAR

First Semester

		Hours	Credits
HE-1	Introduction to Home Economics	(1-0)	1
EL-3	Freshman English	(3-0)	3
	Humanities		3
	Social Studies		3
PE-39	Women's Physical Activity	(0-2)	1
HE-5	Basic Clothing and Construction	(1-4)	3
			17

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
	Humanities		3
HE-6	Textiles and Intermediate Clothing Construction	(1-4)	3
	Social Studies		3
HE-62	Family Living	(3-0)	3
PE-40	Women's Physical Activity	(0-2)	1
	Electives		2
			18

SOPHOMORE YEAR

First Semester

		Hours	Credits
Ed-53	General Psychology	(3-0)	3
	Laboratory Science		4 or 5
HE-11	Basic Foods	(1-4)	3
HE-69	House Planning and Decorating	(2-2)	3
PE-89	Women's Physical Activity	(0-2)	1
SS-55	Principles of Economics	(3-0)	3
			17 or 18

Second Semester

		Hours	Credits
Ed-66	Child Psychology	(2-0)	2
	Laboratory Science		4 or 5
HE-12	Meal Planning	(1-4)	3
PE-90	Women's Physical Activity	(0-2)	1
	Electives		6
			16 or 17
			68 or 70

Recommended electives: shorthand, typing, accounting, speech, foreign language, music and art.

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 year's 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
IA-3	Introduction to Industrial Arts	(1-0)	1
M-1	Basic Mathematics	(3-0)	1
IA-21	Basic Welding	(1-3)	2
PE-1	Men's Physical Activity	(0-2)	1
	Electives		2
			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
IA-22	Advanced Welding	(1-3)	2
PE-24	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		2
			16

Second Semester

		Hours	Credits
Ed-62	Educational Psychology	(3-0)	3
EL-62	Speech	(2-0)	2
IA-31	Elements of Art Metal	(1-3)	2
SS-56	Principles of Economics	(3-0)	3
PE-52	Men's Physical Activity	(0-2)	1
PE-18	Personal Living	(3-0)	3
	Electives		2
			16
			65

Pre-Veterinary

FRESHMAN YEAR

First Semester

		Hours	Credits
BS-21	General Botany	(3-3)	4
EL-3	Freshman English	(3-0)	3
C-3	General Chemistry	(3-6)	5
M-11	College Algebra	(3-0)	3
GE-1	Survey of The Liberal Arts	(1-0)	1
PE-1, 39	Physical Activity		1
			17

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
C-4	General Chemistry	(3-6)	5
EL-12	Vocabulary Building	(2-0)	2
M-12	Trigonometry	(3-0)	3
PE-2, 40	Physical Activity	(0-2)	1
SS-18	State and Local Government	(3-0)	3
			17

SOPHOMORE YEAR

First Semester

		Hours	Credits
'SS-3	History of Western Civilization	(3-0)	3
C-65	Fundamentals of Organic Chemistry	(3-6)	5
BS-9	Introduction to Zoology	(3-3)	4
PE-51, 89	Physical Activity	(0-2)	1
Ph-51	General Physics	(3-3)	4
			17

Second Semester

		Hours	Credits
'SS-4	History of Western Civilization	(3-0)	3
C-66	Organic Chemistry	(3-6)	5
Ph-52	General Physics	(3-3)	4
EL-21	Introduction to Literature	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
			16
			67

¹Student may substitute sequences in Psychology or Economics.

DIVISION OF BUSINESS

Business Administration

FRESHMAN YEAR

First Semester		Hours	Credits
EL-3	Freshman English	(3-0)	3
B-1	Introduction to Business	(3-0)	3
¹ B-7	Elementary Typewriting	(1-3)	2
PE-1, 39	Physical Activity	(0-2)	1
B-44	Calculating Machines	(1-2)	2
SS-20	Economic Geography	(3-0)	3
	² Languages or Mathematics or Laboratory Science		3 or 4
			17 or 18

Second Semester		Hours	Credits
EL-4	Freshman English	(3-0)	3
B-9	Business Mathematics	(3-0)	3
B-46	Consumer Economics	(3-0)	3
PE-2, 40	Physical Activity	(0-2)	1
	Social Studies	(3-0)	3
	² Languages or Mathematics or Laboratory Science		3 or 4
			16 or 17

SOPHOMORE YEAR

First Semester		Hours	Credits
SS-55	Principles of Economics	(3-0)	3
B-61	Business Law	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
B-21	Principles of Accounting	(3-2)	4
Ed-53	General Psychology	(3-0)	3
B-55	Principles of Marketing	(3-0)	3
			17

Second Semester		Hours	Credits
SS-56	Principles of Economics	(3-0)	3
B-62	Business Law	(3-0)	3
B-22	Principles of Accounting	(3-2)	4
PE-52, 90	Physical Activity	(0-2)	1
¹ B-58	Principles of Retailing	(3-0)	3
	Electives		3
			17
			67 or 69

¹Students who have had one year of high school typewriting or equivalent are not required to take elementary typewriting.

²Students intending to transfer to the University of Colorado must have both a biological and a physical science and should, therefore, take a laboratory science in the physical sciences during their Freshman year, and in the Sophomore year, substitute a second semester of psychology instead of Principles of Retailing.

Business Education**FRESHMAN YEAR****First Semester**

		Hours	Credits
EL-3	Freshman English	(3-0)	3
¹ B-1	Introduction to Business	(3-0)	3
¹ B-11	Stenography I (Required if not taken in High School)	(2-3)	(3)
B-7	Elementary Typewriting (Required if not taken in High School)	(1-3)	(2)
² B-13	Dictation and Transcription	(3-0)	3
Ed-71	Introduction to Education	(2-0)	2
PE-1, 39	Physical Activity	(0-2)	1
	Electives		4
			16

Second Semester

		Hours	Credits
B-28	Business Communications	(3-0)	3
B-12	Stenography II	(2-3)	3
B-8	Advanced Typewriting	(1-3)	2
B-44	Calculating Machines	(1-2)	2
B-3	Business Mathematics	(3-0)	3
EL-61	Speech	(2-0)	2
PE-2, 40	Physical Activity	(0-2)	1
			16

SOPHOMORE YEAR**First Semester**

		Hours	Credits
B-31	Secretarial Procedures	(3-0)	3
B-21	Principles of Accounting	(3-2)	4
B-61	Business Law	(3-0)	3
Ed-53	General Psychology	(3-0)	3
SS-55	Principles of Economics	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
			17

Second Semester

		Hours	Credits
B-22	Principles of Accounting	(3-2)	4
EL-62	Speech	(2-0)	2
³ SS-8	United States History	(3-0)	3
Ed-62	Educational Psychology	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
SS-56	Principles of Economics	(3-0)	3
			16
			65

¹Required if not taken in high school.

²To be taken instead of Elementary Typewriting and Stenography I if student has high school credit for these courses.

³Other social studies courses may be substituted for United States History.

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
B-3	Business Mathematics	(3-0)	3
PE-1, 39	Physical Activity	(0-2)	1
			15

Second Semester

B-28	Business Communications	(3-0)	3
B-12	Stenography II	(2-3)	3
B-8	Advanced Typewriting	(1-3)	2
B-44	Calculating Machines	(1-2)	2
PE-2, 40	Physical Activity	(0-2)	1
	Electives		6
			17

SOPHOMORE YEAR

First Semester

B-31	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-61	Business Law	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
			16

Second Semester

B-42	Stenographic Machines	(2-3)	3
B-22	Principles of Accounting	(3-2)	4
B-46	Consumer Economics	(3-0)	3
B-62	Business Law	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
	Electives		3
			17

65

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

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

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
B-3	Business Mathematics	(3-0)	3
PE-1, 39	Physical Activity	(0-2)	1
			16

Second Semester

		Hours	Credits
B-28	Business Communications	(3-0)	3
B-22	Principles of Accounting	(3-2)	4
B-8	Advanced Typewriting	(1-3)	2
PE-2, 40	Physical Activity	(0-2)	1
EL-61	Speech	(2-0)	2
	Elective		4
			16

SOPHOMORE YEAR

First Semester

		Hours	Credits
B-61	Business Law	(3-0)	3
SS-55	Principles of Economics	(3-0)	3
SS-20	Economic Geography	(3-0)	3
B-55	Principles of Marketing	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
	Elective		4
			17

Second Semester

		Hours	Credits
B-58	Principles of Retailing	(3-0)	3
B-62	Business Law	(3-0)	3
SS-56	Principles of Economics	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
B-46	Consumer Economics	(3-0)	3
B-78	Introduction to Advertising	(3-0)	3
			16
			65

DIVISION OF HUMANITIES AND LANGUAGE ARTS

Art

The Art Department gives the student an opportunity to correlate the art of the past with materials and perspectives of contemporary art.

Courses are so arranged that the student may emerge as a professional in the world of art or as an interesting and understanding spectator.

In either case, the courses set forth below are designed to make life fuller and more meaningful for those who are sincere in their studies.

FRESHMAN YEAR

		Hours	Credits
First Semester			
A-1	Art Interpretation	(2-2)	3
A-11	Basic Drawing	(3-3)	4
EL-3	Freshman English	(3-0)	3
	*Social Studies	(3-0)	3
PE-1, 39	Physical Activity	(0-2)	1
	Electives		2
			16

Second Semester

		Hours	Credits
Second Semester			
A-12	Fundamentals of Oil Painting	(2-3)	3
A-22	Ceramics	(0-6)	2
EL-4	Freshman English	(3-0)	3
	*Social Studies	(3-0)	3
PE-2, 40	Physical Activity	(0-2)	1
	¹ Electives		4
			16

SOPHOMORE YEAR

First Semester

		Hours	Credits
First Semester			
A-51	Basic Sculpturing	(0-6)	3
EL-21	Introduction to Literature	(3-0)	3
	Science with Laboratory	(3-3)	4
PE-51, 89	Physical Activity	(0-2)	1
	¹ Electives		6
			17

Second Semester

		Hours	Credits
Second Semester			
A-52	Sculpture	(0-6)	3
A-62	Art for Classroom Teachers	(2-2)	3
EL-22	Introduction to Literature	(3-0)	3
IA-31	Elements of Art Metal	(1-3)	2
	Science with Laboratory	(3-3)	4
PE-52, 90	Physical Activity	(0-2)	1
			16
			65

*The following courses will satisfy the social studies requirement: Survey of the Social Sciences, United States History, Government, Introduction to Sociology, or Principles of Economics.

¹Suggested Elective: Foreign Language.

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 instrumental 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

		Hours	Credits
First Semester			
EL-3	Freshman English	(3-0)	3
*Mu-33	Piano Class	(0-2)	1
Mu-39	Applied Music (Major)	(1-0)	3
Mu-1	Fundamental Theory	(2-2)	3
Mu-15	Introduction to Musical Literature	(2-0)	2
Mu-21	Band	(0-3)	1
Mu-27	Chorus	(0-3)	1
PE-1, 39	Physical Activity	(0-2)	1
Mu-9	Woodwind Instruments	(0-2)	1
Mu-11	Introduction to Music Education	(2-0)	2
			17

Second Semester

		Hours	Credits
Second Semester			
EL-4	Freshman English	(3-0)	3
*Mu-34	Piano Class	(0-2)	1
Mu-40	Applied Music (Major)	(1-0)	3
Mu-2	Fundamental Theory	(2-2)	3
Mu-16	Introduction to Musical Literature	(2-0)	2
Mu-22	Band	(0-3)	1
Mu-28	Chorus	(0-3)	1
PE-2, 40	Physical Activity	(0-2)	1
Mu-7	String Instruments	(0-2)	1
Mu-12	Elementary Conducting	(2-0)	2
			17

SOPHOMORE YEAR

		Hours	Credits
First Semester			
Mu-51	Advanced Theory	(4-1)	4
*Mu-79	Piano Class	(0-2)	1
Mu-83	Applied Music (Major)	(1-0)	3
Ed-53	General Psychology	(3-0)	3
Mu-71	Band	(0-3)	1
Mu-77	Chorus	(0-3)	1
PE-51, 89	Physical Activity	(0-2)	1
Mu-8	Brass and Percussion Instruments	(0-2)	1
	Electives		2
			16

Second Semester

		Hours	Credits
Second Semester			
Mu-52	Advanced Theory	(4-1)	4
*Mu-80	Piano Class	(0-2)	1
Mu-84	Applied Music (Major)	(1-0)	3
Ed-62	Educational Psychology	(3-0)	3
Mu-72	Band	(0-3)	1
Mu-78	Chorus	(0-3)	1
PE-52, 90	Physical Activity	(0-2)	1
	Electives		2
			15
			65

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



A courtyard stairway affords a magnificent view of the mountains that surround the College.



Fall, winter, spring--the mountains offer many recreational opportunities.



Friends gather by a winter fire in the late afternoon.

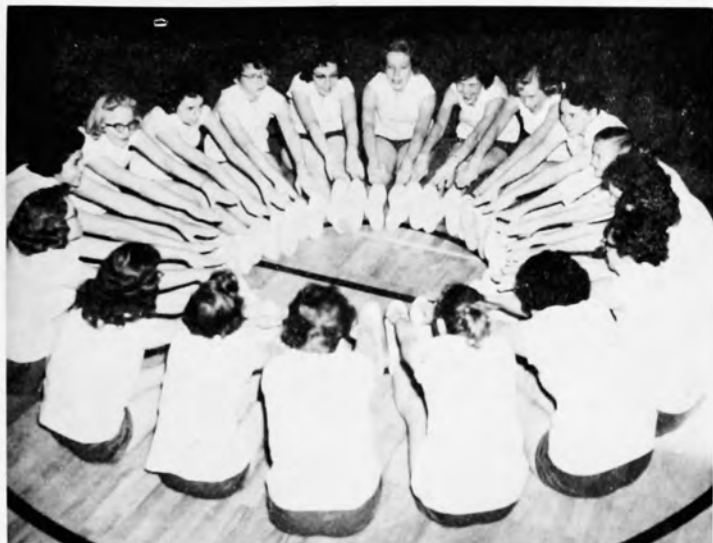


A Christmas party attracts a young couple.

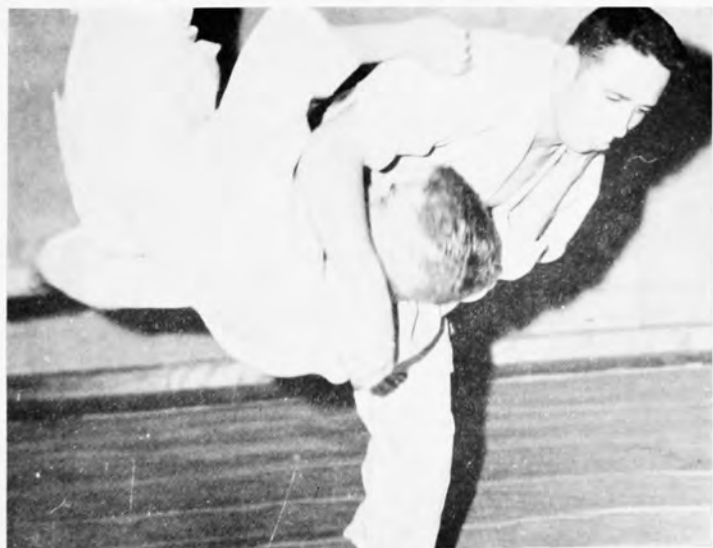


Formal and informal dances are held frequently.





A women's physical education class



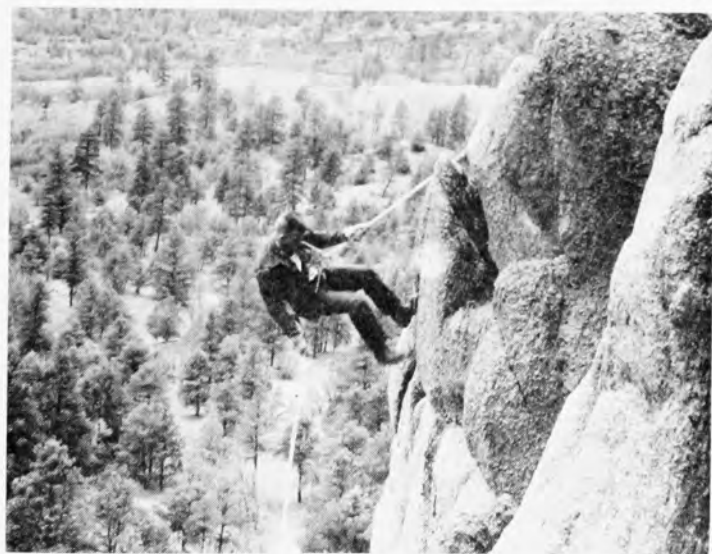
Judo



Basketball



Football



The College has a mountain-climbing club.

DIVISION OF LIBERAL ARTS

Elementary Education

For Secondary Education: See General Arts and Science.

FRESHMAN YEAR

First Semester

		Hours	Credits
ED-71	Introduction to Education	(2-0)	2
EL-3	Freshman English	(3-0)	3
SS-1	Survey of the Social Studies	(3-0)	3
	Science with Laboratory	(3-3)	4
Mu-15	Introduction to Musical Literature	(2-0)	2
PE-1, 39	Physical Activity	(0-2)	1
			15

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
SS-2	Survey of the Social Sciences	(3-0)	3
PE-18	Personal Living	(3-0)	3
PE-2, 40	Physical Activity	(0-2)	1
BS-36	Principles of Conservation	(1-2)	2
	Science with Laboratory	(3-3)	4
			16

SOPHOMORE YEAR

First Semester

		Hours	Credits
¹ M-1	Basic Mathematics	(3-0)	1
Ed-53	General Psychology	(3-0)	3
EL-61	Speech	(2-0)	2
GE-21	Introduction to The Humanities	(3-0)	3
Mu-3	Music for Elementary Teachers	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
	Electives		4
			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
¹ M-11	College Algebra	(3-0)	3
PE-52, 90	Physical Activity	(0-2)	1
GI-22	Introduction to The Humanities	(3-0)	3
	Electives		3
			17
			65

¹ This course not required if student has satisfactory score on the mathematics placement test.

²Recommended Elective: Art For Classroom Teachers.

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.

¹ Biological Science	6 to 8
English Language	6
Humanities	6
Physical Education	4
Physical Sciences	6 to 8
Survey of The Liberal Arts	1
Social Studies	6
² Foreign Languages	6 to 10
³ Mathematics	6
	41 to 49
⁴ Electives	16 to 24

¹Three semester hours of psychology may be substituted for three hours of the biological science requirement.

²Select either field of study.

⁴Electives are approved by the students' adviser.

Biological Sciences

		Hours
BS-3, 4	General Biology	8
BS-9	Introduction to Zoology	4
BS-21, 22	General Botany	7
BS-36	Principles of Conservation	2
BS-66	Human Anatomy and Physiology	4

Psychology

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

English Language

		Hours
EL-3, 4	Freshman English	6
EL-12	Vocabulary Building	2
EL-35	News Writing	3
EL-36	Advanced News Writing	3
EL-61, 62	Speech	4

Humanities**General Education**

Art	GE-21, 22	Introduction to The Humanities	6
	A-1	Art Interpretation	3

Literature

	EL-21, 22	Introduction to Literature	6
	EL-24	Biography	2

Foreign Languages

	FL-5, 6	First Year Spanish	10
	FL-55, 56	Second Year Spanish	6
	FL-15, 16	First Year German	10
	FL-65, 66	Second Year German	6
	FL-21, 22	First Year French	10
	FL-71, 72	Second Year French	6

Music

	Mu-15, 16	Introduction to Musical Literature	4
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Philosophy

	P-41	Introduction to Philosophy	3
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Mathematics

	M-1	Basic Mathematics	1
	M-9	College Algebra	3
	M-11	College Algebra	3
	M-12	Trigonometry	3
	M-13	Analytic Geometry	4
	M-21, 22	College Mathematics	10

Physical Education**Freshman Physical Education**

	PE-1, 2	Men's Physical Activity	2
	PE-39, 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**

	C-3, 4	General Chemistry	10
	C-11, 12	General Inorganic and Organic Chemistry	10

Geology

	G-11, 12	General Geology	8
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Physics

	Ph-5, 6	The Physical Sciences	8
	Ph-51, 52	General Physics	8
	Ph-53, 54	Engineering Physics	10

Social Studies

	SS-1, 2	Survey of the Social Sciences	6
	SS-3, 4	History of Western Civilization	6
	SS-7, 8	United States History	6
	SS-17	American Government	3
	SS-18	State and Local Government	3
	SS-20	Economic Geography	3
	SS-31	Introduction to Anthropology	3
	SS-32	Principles of Anthropology	3
	SS-55, 56	Principles of Economics	6
	SS-67, 68	Introduction of Sociology	6
	SS-71	World Geography	3

SECONDARY EDUCATION

A student wishing to teach on the secondary level must major in General Arts and Science, and must include General Psychology, Educational Psychology, Introduction to Education, and complete an approved number of hours in a regular 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.

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
BS-9	Introduction to Zoology	(3-3)	4
¹ SS-7	United States History	(3-0)	3
PE-1, 39	Physical Activity	(0-2)	1
PE-9	Introduction to Physical Education, Health Education, and Recreation	(2-0)	2
	Electives		3
			16

Second Semester

EL-4	Freshman English	(3-0)	3
¹ SS-8	United States History	(3-0)	3
PE-18	Personal Living	(3-0)	3
PE-24	First Aid	(2-0)	2
PE-2, 40	Physical Activity	(0-2)	1
BS-66	Human Anatomy and Physiology	(3-3)	4
			16

SOPHOMORE YEAR

First Semester

¹ Ph-5	The Physical Sciences	(3-3)	4
EL-21	Introduction to Literature	(3-0)	3
Ed-53	General Psychology	(3-0)	3
⁴ PE-69	Coaching of Football	(2-0)	2
PE-51, 89	Men's Physical Activity	(0-2)	1
PE-11	History and Principles of Physical Education	(2-0)	2
			15

Second Semester

Ed-54	Personality and Social Adjustment	(3-0)	3
⁵ PE-70	Coaching of Basketball	(2-0)	2
PE-74	Officiating in Sports	(2-0)	2
² Ph-6	The Physical Sciences	(3-3)	4
³ EL-22	Introduction to Literature	(3-0)	3
PE-52, 90	Men's Physical Activity	(0-2)	1
	Elective or Educational Psychology		3
			18
			65

¹Other social studies courses may be substituted for United States History

²C-11 and C-12, Inorganic and Organic Chemistry, may be substituted for the physical sciences.

³Other humanities courses may be substituted for Introduction to Literature.

⁴Women's Physical Education majors must substitute Introduction to Education for Coaching of Football.

⁵Women's Physical Education majors are to substitute Physical Education Activities in the Elementary School for Coaching of Basketball.

Pre-Medicine

FRESHMAN YEAR

First Semester

		Hours	Credits
EL-3	Freshman English	(3-0)	3
C-3	General Chemistry	(3-6)	5
M-11 or M-9	College Algebra	(3-0)	3
GE-1	Survey of The Liberal Arts	(1-0)	1
BS-3	General Biology	(3-3)	4
PE-1, 39	Physical Activity	(0-2)	1
			17

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
C-4	General Chemistry	(3-6)	5
M-12	Trigonometry	(3-0)	3
BS-4	General Biology	(3-3)	4
PE-2, 40	Physical Activity	(0-2)	1
			16

SOPHOMORE YEAR

First Semester

		Hours	Credits
¹ Ph-51	General Physics	(3-3)	4
C-65	Fundamentals of Organic Chemistry	(3-6)	5
¹ SS-3	History of Western Civilization	(3-0)	3
² EL-21	Introduction to Literature	(3-0)	3
PE-51, 89	Physical Activity	(0-2)	1
			16

Second Semester

		Hours	Credits
Ph-52	General Physics	(3-3)	4
C-66	Organic Chemistry	(3-6)	5
¹ SS-4	History of Western Civilization	(3-0)	3
² EL-22	Introduction to Literature	(3-0)	3
EL-61	Speech	(2-0)	2
PE-52, 90	Physical Activity	(0-2)	1
			18
			67

¹Other social studies courses may be substituted for History of Western Civilization.

²Other humanities courses may be substituted for Introduction to Literature.

Pre-Nursing

FRESHMAN YEAR

First Semester

		Hours	Credits
EL-3	Freshman English	(3-0)	3
C-11	General Inorganic Chemistry	(4-3)	5
SS-67	Introduction to Sociology	(3-0)	3
¹ EL-21	Introduction to Literature	(3-0)	3
GI-1	Survey of The Liberal Arts	(1-0)	1
PE-39	Women's Physical Activity	(0-2)	1
	Electives		2
			18

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
C-12	Inorganic and Organic Chemistry	(4-3)	5
SS-68	Introduction to Sociology	(3-0)	3
¹ EL-22	Introduction to Literature	(3-0)	3
PE-40	Women's Physical Activity	(0-2)	1
	Electives		3
			18
			36

¹Other humanities may be taken.

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-Pharmacy

FRESHMAN YEAR

First Semester

		Hours	Credits
EL-3	Freshman English	(3-0)	3
C-3	General Chemistry	(3-6)	5
BS-3	General Biology	(3-3)	4
GE-1	Survey of The Liberal Arts	(1-0)	1
M-11 or M-9	College Algebra	(3-0)	3
PE-1, 39	Physical Activity	(0-2)	1
			17

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
C-4	General Chemistry	(3-6)	5
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
Ph-51	General Physics	(3-3)	4
SS-55	Principles of Economics	(3-0)	3
EL-61	Speech	(2-0)	2
PE-51, 89	Physical Activity	(0-2)	1
			15

Second Semester

		Hours	Credits
C-66	Organic Chemistry	(3-6)	5
Ph-52	General Physics	(3-3)	4
SS-56	Principles of Economics	(3-0)	3
EL-62	Speech	(2-0)	2
PE-52, 90	Physical Activity	(0-2)	1
			17
			65

DIVISION OF PHYSICAL SCIENCE, MATHEMATICS, AND ENGINEERING

Chemistry

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	(3-6)	5
¹ SS-7	United States History	(3-0)	3
E-7	Engineering Problem Solution	(0-2)	1
			17

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
¹ SS-8	United States History	(3-0)	3
C-4	General Chemistry	(3-6)	5
M-22	College Mathematics II	(5-0)	5
PE-2, 40	Physical Activity	(0-2)	1
			17

SOPHOMORE YEAR

First Semester

		Hours	Credits
M-57	Calculus I	(5-0)	5
² C-55	Quantitative Analysis	(2-8)	4
BS-3	General Biology	(3-3)	4
	³ German		3-5
PE-51, 89	Physical Activity	(0-2)	1
			17 or 19

Second Semester

		Hours	Credits
M-58	Calculus II	(5-0)	5
BS-4	General Biology	(3-3)	4
² C-56	Quantitative Analysis	(2-8)	4
	³ German		3-5
PE-52, 90	Physical Activity	(0-2)	1
			17 or 19
			69 or 73

¹The following courses may be substituted for United States History: Government, Introduction to Sociology, Survey of the Social Sciences.

²The following courses, upon approval of advisers, may be substituted for Biology: General Psychology and Personality and Social Adjustment 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 some other social studies courses.

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 uses 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 College 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
E-1	Mechanical Drawing	(1-6)	3
C-3	General Chemistry	(3-6)	5
PE-1	Men's Physical Activity	(0-2)	1
E-7	Engineering Problem Solution	(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	(3-6)	5
E-8	Engineering Problem Solution	(0-2)	1
PE-2	Men's Physical Activity	(0-2)	1
			18

SOPHOMORE YEAR

First Semester		Hours	Credits
Ph-53	Engineering Physics	(3-4)	5
M-57	Calculus I	(4-0)	4
E-64	Statics	(3-0)	3
PE-51	Men's Physical Activity	(0-2)	1
E-51	Elementary Surveying	(0-6)	(3)
	or		
EL-21	Introduction to Literature	(3-0)	(3)
			16

Second Semester		Hours	Credits
Ph-54	Engineering Physics	(3-4)	5
M-58	Calculus II	(4-0)	4
E-66	Dynamics	(3-0)	3
PE-52	Men's Physical Activity	(0-2)	1
E-52	Advanced Surveying	(0-6)	(3)
	or		
EL-22	Introduction to Literature	(3-0)	(3)
			16
			70

Engineering Technology**FRESHMAN YEAR****First Semester**

		Hours	Credits
E-1	Mechanical Drawing	(1-6)	3
EL-3	Freshman English	(3-0)	3
IA-21	Basic Welding	(1-3)	2
SS-17	American Government	(3-0)	3
M-11	College Algebra	(3-2)	3
PE-1	Men's Physical Activity	(0-2)	1
E-7	Engineering Problem Solution	(0-2)	1
			<hr/> 16

Second Semester

		Hours	Credits
EL-4	Freshman English	(3-0)	3
E-2	Descriptive Geometry	(1-6)	3
IA-10	Advanced Drafting	(1-6)	3
SS-18	State and Local Government	(3-0)	3
M-12	Trigonometry	(3-0)	3
E-8	Engineering Problem Solution	(0-2)	1
PE-2	Men's Physical Activity	(0-2)	1
			<hr/> 17

SOPHOMORE YEAR**First Semester**

		Hours	Credits
E-51	Elementary Surveying	(0-6)	3
B-21	Principles of Accounting	(3-2)	4
	or		
¹ G-11	General Geology	(3-3)	(4)
EL-61	Speech	(2-0)	2
SS-55	Principles of Economics	(3-0)	3
Ph-51	General Physics	(3-3)	4
PE-51	Men's Physical Activity	(0-2)	1
			<hr/> 17

Second Semester

		Hours	Credits
E-52	Advanced Surveying	(0-6)	3
² B-22	Principles of Accounting	(3-2)	4
	or		
¹ G-12	General Geology	(3-3)	(4)
EL-62	Speech	(2-0)	2
SS-56	Principles of Economics	(3-0)	3
Ph-52	General Physics	(3-3)	4
PE-52	Men's Physical Activity	(0-2)	1
			<hr/> 17
			<hr/> 67

¹Other social studies courses may be substituted for State and Local Government.

²Take either sequence upon adviser's approval.

Geology

FRESHMAN YEAR

		Hours	Credits
First Semester			
EL-3	Freshman English	(3-0)	3
G-11	General Geology	(3-3)	4
C-3	General Chemistry	(3-6)	5
M-21	College Mathematics I	(5-0)	(5)
	or		
M-11	College Algebra	(3-0)	(3)
GE-1	Survey of The Liberal Arts	(1-0)	1
PE-1	Men's Physical Activity	(0-2)	1
			17 or 19

		Hours	Credits
Second Semester			
EL-4	Freshman English	(3-0)	3
G-12	General Geology	(3-3)	4
C-4	General Chemistry	(3-6)	5
M-22	College Mathematics II	(5-0)	(5)
	or		
M-12	Trigonometry	(3-0)	(3)
PE-2	Men's Physical Activity	(0-2)	1
			16 or 18

SOPHOMORE YEAR

		Hours	Credits
First Semester			
G-51	Mineralogy	(3-3)	4
Ph-51	General Physics	(3-3)	4
¹ E-1	Mechanical Drawing	(1-6)	3
	Social Studies	(3-0)	3
PE-51	Men's Physical Activity	(0-2)	1
	² Electives		2
			17

		Hours	Credits
Second Semester			
G-52	Mineralogy	(3-3)	4
Ph-52	General Physics	(3-3)	4
EL-61	Speech	(2-0)	2
	Social Studies	(3-0)	3
PE-52	Men's Physical Activity	(0-2)	1
	² Electives		3
			17

67 or 71

¹Students with high school credit in mechanical drawing may take an elective.

²Students considering graduate work in geology should elect a subject such as Quantitative Analysis, Calculus, Zoology or Biology, or German.

Medical Technology

FRESHMAN YEAR

First Semester

		Hours	Credits
EL-3	Freshman English	(3-0)	3
C-3	General Chemistry	(3-6)	5
M-11	College Algebra	(3-0)	3
BS-3	General Biology	(3-3)	4
GE-1	Survey of The Liberal Arts	(1-0)	1
PE-1, 39	Physical Activity	(0-2)	1
			17

Second Semester

		Hours	Credits
BS-4	General Biology	(3-3)	4
EL-4	Freshman English	(3-0)	3
C-4	General Chemistry	(3-6)	5
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
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

Second Semester

		Hours	Credits
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

¹Other social studies courses may be substituted for Introduction to Sociology.

²Other humanities courses may be substituted.

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-3 THE AGRICULTURAL PROFESSION** I (1-0)1
A survey course intended to acquaint the beginning agricultural student with the curriculum, future, and career possibilities in the field of agriculture.
- Ag-11 INTRODUCTORY ANIMAL HUSBANDRY** I (2-3)3
A study of commercial domestic livestock which includes cattle, sheep, horses, swine. This study is made on both the purebred and market classification.
- Ag-16 ELEMENTS OF DAIRYING** II (2-3)3
An introduction to the dairy industry with emphasis on feeding, management of the herd, milk production, properties of milk, and milk testing procedures.
- 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** I (2-2)3
A general course covering the principles underlying the propagation, improvement, and marketing of horticultural crops.
Prerequisite: BS-21.
- 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-67 LIVESTOCK JUDGING** I (0-3)1
Selection and judging of market and breeding classes of livestock.
- Ag-69 PHYSIOLOGY OF FARM ANIMALS** I (3-0)3
A study of the functions of the principal systems of the body of farm animals with emphasis on ruminant physiology.
Prerequisite: Ag-11, or concurrently.
- 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-78 FORAGE CROPS** II (2-3)3
Production, preservation, and the value of principal hay, silage, and pasture crops.
Prerequisite: Ag-1.
- Ag-91 FARM MANAGEMENT** I (3-0)3
Size of farm, type and rates of production, combination of enterprises, labor and machinery efficiency are considered.

ART

- A-1 ART INTERPRETATION** **I (2-2)3**
 The course proposes to establish favorable attitudes to the arts fundamental to the needs of humanity. It will include the study of great works of art and the mundane as well as the mystic thinking that inspired the great men who produced them. Important periods and styles from prehistoric findings to present day art will be selected for study. Material for the course includes two-one-hour periods of academic work consisting of lectures, panel discussions and audiovisual aids; and one-two-hour laboratory period devoted to manipulation of art material.
 This course is prerequisite to all other art courses except where it is necessary that it run concurrently with other beginning courses.
- A-11 BASIC DRAWING** **I (3-3)4**
 A foundation course in art. Practice in elementary problems in free-hand drawing perspective, color and design, and basics of composition. Prerequisite: A-1 or concurrently, with A-1.
- A-12 FUNDAMENTALS OF OIL PAINTING** **II (2-3)3**
 Students in oil painting will concentrate on drawing from life and still life, posing models and arranging still life drawings for paintings; selecting appropriate subject matter; preliminary sketching in media other than oil. Preliminary instruction in oil painting materials and techniques.
 Prerequisite: A-11.
- A-22 CERAMICS** **II (0-6)2**
 Ceramics deals with the treatment of clay bodies and plaster as applied to ceramics. The fundamental course includes practices in hand building, throwing and turning on the potters wheel; making models, casting, and decorating, firing, and glazing ceramic ware.
 Prerequisite: A-1.
- A-51 BASIC SCULPTURE** **I (0-6)3**
 A fundamental course in sculpture given on demand. The course consists of modeling in plastic materials and carving and shaping more rigid and resistant materials such as wood, metal and stone.
 Prerequisites: A-1, A-11.
- A-52 SCULPTURE** **II (0-6)3**
 A continuation of A-51.
 Prerequisite: A-51.
- A-62 ART FOR CLASSROOM TEACHERS** **II (2-2)3**
 This course is especially designed for the elementary and junior high school teacher with a view toward supplying the artistic needs of the child. The course also provides for the study of the place and purpose of art in the public school and community.
 Prerequisite: A-1.

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 (1-2)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-58 ELEMENTARY SYSTEMATIC BOTANY** **II (3-3)4**
Classification and systematic relationship of the flowering plants, including basic principles of plant collection and herbarium design.
Prerequisite: BS-21.
- 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, C-3 recommended.

BUSINESS

- B-1 INTRODUCTION TO BUSINESS** **I, II (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-3 BUSINESS MATHEMATICS** **I, II (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-7 ELEMENTARY TYPEWRITING** **I, II (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, stensils, 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: One or 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, II (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**I, II (3-2)4**

A continuation of B-21, with emphasis on accounting for partnerships and corporations. Practice Set.
Prerequisite: B-21.

B-28 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-31 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-42 STENOGRAPHIC MACHINES**II (2-3)3**

Latest developments in use of voicescriting machines, duplicating machines, and electric typewriter to develop production skills.
Also to include a review of shorthand with emphasis on speed and shortcuts which facilitate speed.
Prerequisite: B-8 or equivalent.

B-44 CALCULATING MACHINES**; I, II (1-2)2**

Latest developments in the uses of the key-driven, rotary, and listing calculators; and adding machines.
Prerequisite: B-3 or B-21.

B-46 CONSUMER ECONOMICS**II (3-0)3**

A course designed to help the student understand personal finances; consumer buying, protection, and aids; and other phases of the personal finances of everyday life.

B-55 PRINCIPLES OF MARKETING**I (3-0)3**

The mechanics of the system of getting economic goods from producers to consumers, including the functions and types of middlemen, price policies, and commodity exchanges.

- B-58 PRINCIPLES OF RETAILING** **II (3-0)3**
A study of the problems of location, store layout, advertising, personnel policies, buying, and pricing, particularly in small retail establishments. Prerequisite: B-55.
- B-61 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 on this course consist of text, cases, statute and business forms. These materials include the materials used in the subsequent business law courses in this series.
- B-62 BUSINESS LAW** **II (3-0)3**
Study of text, cases, and statutes in the subjects of agency, bailments, sales and negotiable instruments. Prerequisite: B-61.
- B-78 INTRODUCTION TO ADVERTISING** **II (3-0)3**
Theory and functions of advertising, copy, media, and techniques of presentation.

CHEMISTRY

- C-3 GENERAL CHEMISTRY** **I (3-6)5**
Consists of lectures, demonstrations, quizzes, and laboratory covering the fundamental principles of chemistry. The course is designed for those who will take additional courses in inorganic chemistry after the freshman year. Topics included are the composition of matter, chemical change, fundamentals of atomic structure, gas laws, chemical reactions, and calculations, together with experience in basic laboratory observations and techniques.
Prerequisites: High school algebra and physics, or consent of instructor. Students not having the prerequisites are to register for Section I.
Corequisite: M-21 or M-11.
- C-4 GENERAL CHEMISTRY** **II (3-6)5**
A continuation of C-3. The chemistry of some of the more 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 short introduction to organic chemistry is included. Quantitative aspects of chemistry are stressed. Qualitative analysis is used by the laboratory to teach the realities of equilibrium, the behavior of inorganic compounds, and the necessity for meticulous laboratory technique.
Prerequisite: C-3.
- C-11 GENERAL INORGANIC CHEMISTRY** **I (4-3)5**
A course in the basic principles of chemistry. This course is intended for students who do not intend to continue further studies of chemistry beyond one year. Consists of lectures, demonstration, quizzes, and laboratory exercises.
Prerequisite: None.
- C-12 GENERAL INORGANIC AND ORGANIC CHEMISTRY** **II (4-3)5**
About $\frac{1}{3}$ of the semester is devoted to a further exploration of the realm of inorganic chemistry. The remainder of the semester is devoted to a broad, rather detailed exploration of the principles of organic chemistry involving a unified study of both aliphatic and aromatic compounds. Fundamental ideas of biochemistry are explored in that classes of compounds of biological importance are considered. The course consists of lectures, demonstrations, quizzes, and laboratory.
Prerequisite: C-11 or equivalent.

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, and M-10, 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 bio-chemistry including the chemistry and metabolisms of fats, carbo-hydrates, 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.

Prerequisite: C-4 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.

C-68 ORGANIC CHEMISTRY**II (2-0)2**

Some of the more complex organic compounds and reactions, both aliphatic and aromatic are studied. Heterocyclic compounds, natural products, some compounds and reactions of biochemical importance, and selected topics, depending upon the needs of the class are included. Lectures, demonstrations, and quizzes.

Prerequisites: C-12 or C-65.

EDUCATION**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.

Prerequisite: Sophomore standing or consent of instructor.

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** **I (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.

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-7 ENGINEERING PROBLEM SOLUTION** **I (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.
- E-8 ENGINEERING PROBLEM SOLUTION** **II (0-2)1**
 A continuation of E-7. Formal and computational solution of problems in engineering.
 Prerequisite: E-7.
- 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-10 or M-21, M-22.
- E-52 ADVANCED SURVEYING** **II (0-6)3**
 Geodetic surveying methods, astronomical observations, topographic surveys and field applications to surveying and mapping.
 Prerequisite: E-51.
- E-64 STATICS** **I (3-0)3**
 Co-planar, non-planar, concurrent and non-concurrent force systems.
 Prerequisite: M-21, M-22, Ph-53.
- E-66 DYNAMICS** **II (3-0)3**
 A study of the mechanics of bodies in motion, and the resulting effects of force, mass and acceleration.
 Prerequisite: E-64, Corequisite: M-58.

ENGLISH LANGUAGE AND LITERATURE

- EL-3 FRESHMAN ENGLISH** **I, II (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** **I, 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.
 Prerequisite: EL-3.
- 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-24 BIOGRAPHY** **I (2-0)2**
 Lives of great men, ancient and modern, analyzed as literature and patterns of living.
- EL-35 NEWS WRITING** **I (2-3)3**
 This is 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 public information writing 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 or consent of instructor.
- EL-51 INTERMEDIATE COMPOSITION** **I (2-0)2**
 Basic techniques of exposition and imaginative writing. Various forms and styles are explored.
 Prerequisite: Freshman English and permission of instructor.
- EL-61 SPEECH** **I, II (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** **I, II (2-0)2**
 A continuation of EL-61.
 Prerequisite: EL-61 or equivalent.

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. Courses in foreign languages are offered when there is sufficient demand.

- 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, 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-21 FIRST YEAR FRENCH	I (5-0)5
A course in grammar, prose composition, reading, and conversation.	
FL-22 FIRST YEAR FRENCH	II (5-0)5
Further study of French, with emphasis on reading, composition, and conversation. Prerequisite: FL-21	
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.	
FL-71 SECOND YEAR FRENCH	I (3-0)3
A course in second-year French with emphasis on reading and conversation. Prerequisite: FL-22.	
FL-72 SECOND YEAR FRENCH	II (3-0)3
Continuation of FL-71. Prerequisite: FL-71.	

FORESTRY

F-1 FORESTRY AND ALLIED PROFESSIONS	I (1-0)1
Professional responsibilities, advantages, and disadvantages. Job characteristics. Training and education requirements.	
F-2 MAP DRAFTING AND READING	II (0-3)1
Lettering and use of simple drafting equipment. Map interpretation.	
F-10 DENDROLOGY	I (3-3)4
Classification, identification, silvical characteristics, economic importance and distribution of the broad leaved and coniferous trees of the United States.	
F-59 RANGE AND FORAGE PLANTS	II (2-3)3
Distribution, growth habits, ecological requirements and importance of range plants in relationship to their use by big game and domestic animals. Prerequisite: BS-58.	

GENERAL EDUCATION

- GE-1 SURVEY OF THE LIBERAL ARTS** **I (1-0)1**
An introductory course designed to survey opportunities in the areas of the liberal arts and to assist the student in adjustment to college.
- GE-21 INTRODUCTION TO THE HUMANITIES** **I (3-0)3**
An intergrated study of art, literature, philosophy, and music of Western Civilization.
- GE-22 INTRODUCTION TO THE HUMANITIES** **II (3-0)3**
A continuation of GE-21.
Prerequisite: GE-21.

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 field 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: G-12 and C-4, one of which may be taken concurrently by permission of instructor.
- G-52 MINERALOGY** **II (3-3)4**
A continuation of G-52 completing the study of minerals and includes a unit on hand specimen identification of rocks.
Prerequisite: G-51.

HOME ECONOMICS

- HE-1 INTRODUCTION TO HOME ECONOMICS** **I (1-0)1**
Adjusting to college life, choosing a vocation, developing a life philosophy.
- HE-5 BASIC CLOTHING SELECTION AND CONSTRUCTION** **I (1-4)3**
Color, design, consumer buying, clothing selection and construction.
- HE-6 TEXTILES AND INTERMEDIATE CLOTHING CONSTRUCTION** **II (1-4)3**
Study of textiles, continuation of clothing construction.
- HE-11 BASIC FOODS** **I (1-4)3**
Study and preparation of individual groups of foods.
- HE-12 MEAL PLANNING** **II (1-4)3**
Planning and preparation of meals. Table setting etiquette, buying.

- HE-62 FAMILY LIVING** **II (3-0)3**
Trends of the family of today — housing, finance, insurance, budgeting.
- HE-69 HOUSE PLANNING AND DECORATING** **I (2-2)3**
Planning and decorating today's home, with simple drawings. Study of wise equipment buying.

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-3 INTRODUCTION TO INDUSTRIAL ARTS** **I (1-0)1**
Required of all freshman majors in industrial arts. Orientation to problems in industrial arts and teaching. The basis for the development of a philosophy of industrial arts. One hour weekly of class work with outside assignments.
- 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 BASIC WELDING** **I, II (1-3)2**
Involves the fundamental uses and methods of operating electric welding equipment.
- IA-22 ADVANCED GAS AND ELECTRIC WELDING** **II (1-3)2**
Advanced course in gas and electric welding which includes flat, vertical, and overhead welding, cast iron welding and brazing, and uses of new materials.
Prerequisite: IA-21.
- IA-31 ELEMENTS OF ART METAL** **II (1-3)2**
Elementary course in art metal including tooling of aluminum and copper, etching, bowl and tray construction, hand and soft soldering, and an introduction to lapidary work.
- 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.

MATHEMATICS

- M-1 BASIC MATHEMATICS** **I (3-0)1**
Review of the basic operations of arithmetic, percentages, square root, and elementary algebra up through linear equations and linear systems of equations.

M-9 COLLEGE ALGEBRA**I, II (5-0)3**

Review of elementary algebra, linear and quadratic equations, quadratic systems of equations, exponents, radicals and radical equations, graphing, logarithms, binomial expansion, and some statistics.

Prerequisites: One year of high school algebra and a passing score on placement test or M-1 or consent of instructor.

M-11 COLLEGE ALGEBRA**I, II (3-0)3**

Standard course in college algebra; binomial theorem, inequalities, theory of equations, quadratic systems, determinants, probability, partial fractions.

Prerequisites: 1½ years of high school algebra, 1 year of plane geometry, and satisfactory score on placement test, or consent of instructor.

M-12 TRIGONOMETRY**I, II (3-0)3**

Trigonometric analysis, solution of triangles, graphing, inverse functions, complex numbers, polar coordinates, trigonometric series, hyperbolic functions.

Prerequisites: M-11 or consent of instructor.

M-21 COLLEGE MATHEMATICS I**I, II (5-0)5**

Coordinates and loci, functions and graphs, linear equations, and systems, variation, quadratic equations and systems, binomial theorem, logarithms, theory of equations, angles in radian measure, trigonometric functions, and solving right triangles.

Prerequisites: 3 units of high school mathematics and passing score on placement tests or M-12 or consent of instructor.

M-22 COLLEGE MATHEMATICS II**I, II (5-0)5**

Properties of trigonometric function, trigonometric identities and equations, functions of two angles, solution of oblique triangles, inverse functions, polar coordinates, complex numbers, plane analytic geometry, solid analytic geometry, and introduction to calculus.

Prerequisite: M-21.

M-57 CALCULUS I**I, II (5-0)5**

Variables and functions, theory of limits, differentiation, geometric applications, physical applications, integration, and techniques of integration.

Prerequisite: M-22 with "C" or above or consent of instructor.

M-58 CALCULUS II**I, II (5-0)5**

The definite integral, geometric applications, physical applications, hyperbolic functions, infinite series, partial differentiation, multiple integrals, and differential equations.

Prerequisite: M-57.

MUSIC**Mu-1 FUNDAMENTAL THEORY****I (2-2)3**

An integrated course in music fundamentals, theory, ear training, sight singing, and keyboard.

- Mu-2 FUNDAMENTAL THEORY** **II (2-2)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-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 (0-2)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.
- Mu-11 INTRODUCTION TO MUSIC EDUCATION** **I (2-0)2**
Orientation to the music education program in the public schools. Visitation and observation of public school music.
- Mu-12 ELEMENTARY CONDUCTING** **II (2-0)2**
An introductory study to conducting.
- 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-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, 11 (0-3)1**
Open to all students who can and wish to sing. Attendance at all public performances is required.
- Mu-33, 34, 79, 80 PIANO CLASS** **I, II (0-2)1**
Class instruction in a playing knowledge of the piano. Open to music majors only.
- Mu-51 ADVANCED THEORY** **I (4-1)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 (4-1)4**
A continuation of Mu-51 with further expansion of the chordal material.
Prerequisite: Mu-51.

APPLIED MUSIC

Private lessons are available in clarinet, oboe, flute, bassoon, piano, trumpet, trombone, baritone, tuba, french horn, violin, viola, cello, and string bass.

Mu-37, 38, 81, 82 APPLIED MUSIC I, II (½-0)1

A half-hour private lesson per week. Special fee \$25.00 per semester for non-music majors.

Prerequisite: Permission of instructor.

Mu-39, 40, 83, 84 APPLIED MUSIC I, II (1-0)3

A one-hour private lesson per week designed primarily for the music major. Special fee \$40.00 per semester for non-music majors.

Prerequisite: Permission of instructor.

PHILOSOPHY**P-41 INTRODUCTION TO 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 a 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 volleyball, basketball, tennis, softball, and recreational games.

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

A continuation of PE-1.

PE-9 INTRODUCTION TO PHYSICAL EDUCATION, HEALTH EDUCATION, AND RECREATION I (2-0)2

An introductory course to indicate interests, abilities, and personal characteristics that are important to professional workers in physical education, health education, and recreation. The explanation of professional qualifications needed to be successful and to assist students in planning for future careers as qualified teachers and leaders.

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 TEAM SPORTS AND PHYSICAL FITNESS EXERCISES I (0-2)1**PE-40 INDIVIDUAL AND DUAL SPORTS, RHYTHMIC ACTIVITIES, AND PHYSICAL FITNESS EXERCISE II (0-2)1****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-62 PHYSICAL EDUCATION ACTIVITIES IN THE ELEMENTRY SCHOOL** **II (2-0)2**
Planning a physical education program for the elementary level considering the pupils' age, physical ability, and emotional maturity. Open to women only.
- 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-2 PRINCIPLES OF PHYSICS** **II (3-3)4**
A one semester course covering the principles of mechanics of solids and liquids, heat, magnetism and electricity, sound and light, together with practical applications.
- 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-51 GENERAL PHYSICS** **I (3-3)4**
A course covering the fundamental principles of mechanics, heat, and sound. A course for students in Arts and Science, and in fields other than Engineering, Physics, and Chemistry.
Prerequisite: M-11. Corequisite: M-12.
- Ph-52 GENERAL PHYSICS** **II (3-3)4**
A continuation of Ph-51. A course covering the fundamental principles of electricity, light, and recent developments in the field of Physics.
Prerequisites: Ph-51, M-11, and M-12.
- Ph-53 ENGINEERING 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. Calculus is introduced early in the course.
Prerequisite: M-57 concurrently.

Ph-54 ENGINEERING PHYSICS**II (3-4)5**

A continuation of Ph-53. Covers the fundamental principles of light, magnetism, electricity, and modern physics.

Prerequisite: M-58 concurrently.

SOCIAL STUDIES**SS-1 SURVEY OF THE SOCIAL SCIENCES****I (3-0)3**

Time divided between: anthropology, economics, sociology, government, modern geopolitics, and the chief interpretations of history—enough of each to give the beginning student a broad and general knowledge and understanding of the major forces around him.

SS-2 SURVEY OF THE SOCIAL SCIENCES**II (3-0)3**

A continuation of SS-1.

Prerequisite: SS-1.

SS-3 HISTORY OF WESTERN CIVILIZATION**I (3-0)3**

A course tracing the story of civilization from the most ancient times to 1500. Balanced attention is given to political, social, economic, and cultural developments.

SS-4 HISTORY OF WESTERN CIVILIZATION**II (3-0)3**

A continuation of SS-3 to the present day.

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-20 ECONOMIC GEOGRAPHY**I (3-0)3**

An introductory course examining the resource base of the American economy and the way industry uses resources. Various industries will be studied, including the oil, steel, and automobile industries.

SS-31 INTRODUCTION TO ANTHROPOLOGY**I (3-0)3**

A comprehensive study of general anthropology. Consideration of aims, methods, and achievements of the several specializations in anthropology. Physical anthropology, human evolution, problems of races, Old and New World prehistory, and American Indian ethnology.

SS-32 PRINCIPLES OF ANTHROPOLOGY**II (3-0)3**

A continuation of SS-31. Ethnology and cultural anthropology emphasized, especially the theoretical problems connected with world languages and writing, the invention, growth, and spread of culture.

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.

SS-71 WORLD GEOGRAPHY**II (3-0)3**

An introduction to world geography; physical and cultural regions; development of natural resources.

Please note the following additions and revisions to the college catalog.

Two new courses have been added since the catalog was published. They are as follows:

- J-1 Newspaper Reporting 1(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.
- J-2 Advanced News Writing 11(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.

A few errors have been discovered in the catalog, and several changes from that stated in the catalog have also been made. The errors and changes are as follows:

1. Under the description of course B-017, Introduction to Advertising, it is listed for first semester, but it is correctly given as second semester under the curriculum.
2. Under the description of course E-70, Mechanism, is listed as second semester but it is correctly given as first semester under the curriculum.
3. BS-51, Applied Entomology, will be taught the second semester instead of the first semester as stated in the catalog.
4. Ag-80, General Poultry, will be taught the first semester instead of the second semester as stated in the catalog.
5. Ag-68, Livestock Judging, will be taught in the first semester instead of the second semester as stated in the catalog.
6. C-64, Basic Organic Chemistry, the course for Agricultural majors and Liberal Arts students, will be scheduled both semesters.
7. Sophomore Agricultural majors who have not had the Feeds and Feeding course should register for the Basic Organic Chemistry in the first semester and take Feeds and Feeding the second semester. Up to now, I believe that all students who will be sophomore Agricultural majors will have completed the required Algebra courses and that the Basic Organic Chemistry can be substituted for that course.
8. C-65, Organic Chemistry, will not be offered this year.

Amendments to 1955-57 Catalog: Series 6, Number 1

Effective June 15, 1955, several items in the 1955-57 Fort Lewis Agricultural and Mechanical College catalog, Series 6, Number 1, have been amended as follows:

1. Page 27, Expenses, under Special Fees-add:
Graduation in Absentia \$10.00
Graduation Fee 5.00
2. Page 35, Graduation-omit items number 3 and 4.
3. Page 35, Graduation, item 7 should read-Be in attendance at Baccalaureate and Commencement Exercises unless course requirements are completed at the end of the first semester or comply with number 1 above.
4. Page 36, Degree, Certificate changed to read-Fort Lewis A & M College grants the degrees, Associate of Arts, Associate of Applied Science and a Two-Year Certificate.

The Associate of Arts Degree is granted to students having a 2.00 cumulative average and 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 advisor, excluding College Adjustment credit.

The Associate of Applied Science Degree is granted to students in terminal education having a 2.00 cumulative scholastic average who complete the general requirements for graduation and specific requirements of the curriculum selected.

The Two-Year Certificate is granted to students having a 1.50 cumulative scholastic average who complete the general requirements for graduation and who have completed a minimum of 65 semester hours.

Colorado State Institutions of Higher Learning

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

Several Photographs by Warren Reynolds, Minneapolis, and by Clarence Rieke, Durango, Colorado.