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College Bulletin*

Fort Lewis Branch ~ Catalog Number

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The Annual Catalog



Colorado State College of Agriculture and Mechanic Arts

Fort Lewis Branch Hesperus, Colorado

1944-1945

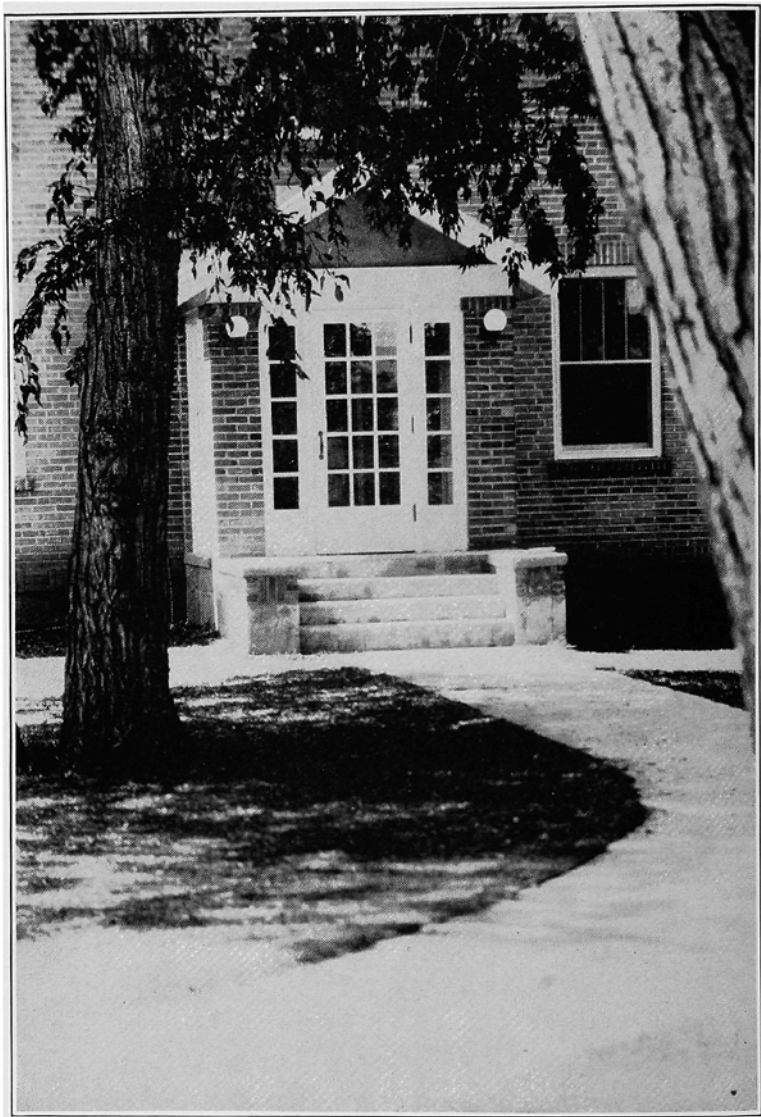


Agriculture
Engineering
Forestry

Home Economics
Science and Arts
Pre-Veterinary

and

Foundation Training for Other Majors



Entrance to Lory Hall

THE STATE BOARD OF AGRICULTURE

	Term Expires
Leon S. McCandless.....Craig	1945
Robert Roemer.....Fort Collins	1945
J. W. Goss.....Pueblo	1947
Charles W. Lilley.....Lakewood	1947
Robert F. Rockwell.....Paonia	1949
W. I. Gifford.....Durango	1949
Rex Eaton.....Eaton	1951
George B. McClave.....McClave	1951

Ex-Officio

Governor John C. Vivian
President Roy M. Green

Officers

Leon S. McCandless.....	President
Charles W. Lilley.....	Vice-President
James R. Miller.....	Secretary-Treasurer

Executive Committee

Leon S. McCandless	Charles W. Lilley	George B. McClave
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Ernest H. Bader, Dean

In a nation that is bending every human effort toward a victorious culmination of the most devastating and far reaching war of history, there is need to consider soberly the responsibilities of the individual.

The more we learn of relative strengths and resources of the world of nations, the more we are convinced that success will depend upon ingenuity coupled with individual ability, training, and character to bring the peoples of the world out of the maelstrom of chaos. Everywhere there is talk of planning—post-war, as well as planning for the immediate future. Organizations are planning. Nations, states, districts, communities, cities, and institutions are planning. Yes, and families, too, are making plans. There is real need for the young person, who has not yet reached the minimum age for military service, and those, who for some reason have not been assigned to war duty, to continue with their education and training.

Fort Lewis, Branch of the College of Agriculture, is continuing to offer collegiate courses in surroundings that enable students to work where friendly associations aid greatly in the well-rounded development of young men and women.

May the facilities of the college of the San Juan be used by all who are interested in continuing their training.

ERNEST H. BADER, Dean

COLLEGE CALENDAR

1944

First Semester

Registration.....Tuesday, September 5
Regular classes begin.....Wednesday morning, September 6
Thanksgiving holiday (one day only).....Thursday, November 23
First semester closes at 12 noon.....Friday, December 22

1945

Second Semester

Registration.....Tuesday forenoon, January 2
Second-semester classes begin at 1:00 p. m.....Tuesday, January 2
Spring vacation begins at 4:00 p. m.....Friday, March 23
Spring vacation ends at 8:00 a. m.....Monday, April 2
San Juan Basin High-School Senior Day.....Friday, April 20
Second semester closes at 4:00 p. m.....Friday, April 27



The La Plata Valley

FORT LEWIS COLLEGE FACULTY

Green, Roy M., B.S. (University of Missouri), M.S., D.Sc. Kansas State College).....	President
Lory, Chas. A., Ped.B. (Colorado State Normal School), B.S., M.S., LL.D. (University of Colorado), D.Sc. (University of Denver), LL.D. (Colorado College), D.Ed. (Colorado State College of Education), D.Sc. (Colorado State College).....	President Emeritus
Bader, Ernest H., B.S. (Colorado State College), M.S. (University of Colorado).....	Dean
Berry, John A., B.S., M.S. (Colorado State College).....	Mathematics and Engineering
Doyle, Louise, B.S. (State Teachers' College, Maryville, Missouri), (Graduate Study at Drake University)....	English, Hostess of Lory Hall
Eberhardt, Marie, B.S. (Colorado State College).....	Home Economics
Good, Margaret, A.B. (University of Denver), (Graduate Study at Northwestern University, Denver University, University of Colorado, and Colorado State College).....	Hostess of Snyder Hall, Physical Education
Hard, Harry O., B.S. (Colorado State College), M.A. (Colorado State College of Education).....	Agriculture
Holmes, Villa L., B.A. (North Texas State Teachers' College), M.A. (University of Colorado).....	English Literature, Dramatics, Spanish
Jones, W. Norton, Jr., B.A. (Hendrix College, Arkansas), M.A., Ph.D. (Johns Hopkins University), (Graduate Study at University of Southern California).....	Chemistry and French
Juhl, Lorene, B.S.M. (Cornell College, Mt. Vernon, Iowa), M.A. (State University of Iowa).....	Music
Knight, Eleanor, B.S. (Northeast Missouri State Teachers' College, Kirksville, Missouri), B.S. in L.S. (George Peabody College for Teachers, Nashville, Tennessee).....	Librarian
Koonce, Dwight, B.S. (Colorado State College), M.S. (Utah State College of Agriculture).....	Agronomy
*McLain, Charles W., B.S., M.S. (Colorado State College) Vice-Dean, Coach	
Moinat, Arthur D., B.S., (Colorado State College), M.S. (Oregon State College), Ph.D. (University of Illinois).....	Biology and Agriculture
Nisbeth, Frances, A.B. (Panhandle Agriculture and Mechanic Arts, Goodwell, Oklahoma).....	Commerce
O'Brien, Irene, B.S. (State Teachers' College, Maryville, Missouri), M.A. (University of Missouri), (Graduate Study at Peabody College for Teachers, Nashville, Tennessee).....	Education, Dean of Women
Pollock, Floyd A., B.A. (Baker University, Kansas), M.S. (Colorado State College), Ph.D. (University of Southern California) Social Science	

*On military leave.

GREETINGS

To those of you who are planning to continue your education at Fort Lewis, we, the members of the student body, extend a very hearty welcome.

Our student body includes members who have been here from one to three years. Some of us came because we had heard through friends, and former students, that Fort Lewis offers excellent opportunities in the way of college training. Some of us are here because of the low expense and the privilege that every student has to earn much of his way, and all of us are here because of our desire to improve ourselves in every way so that we may become better citizens of future America.

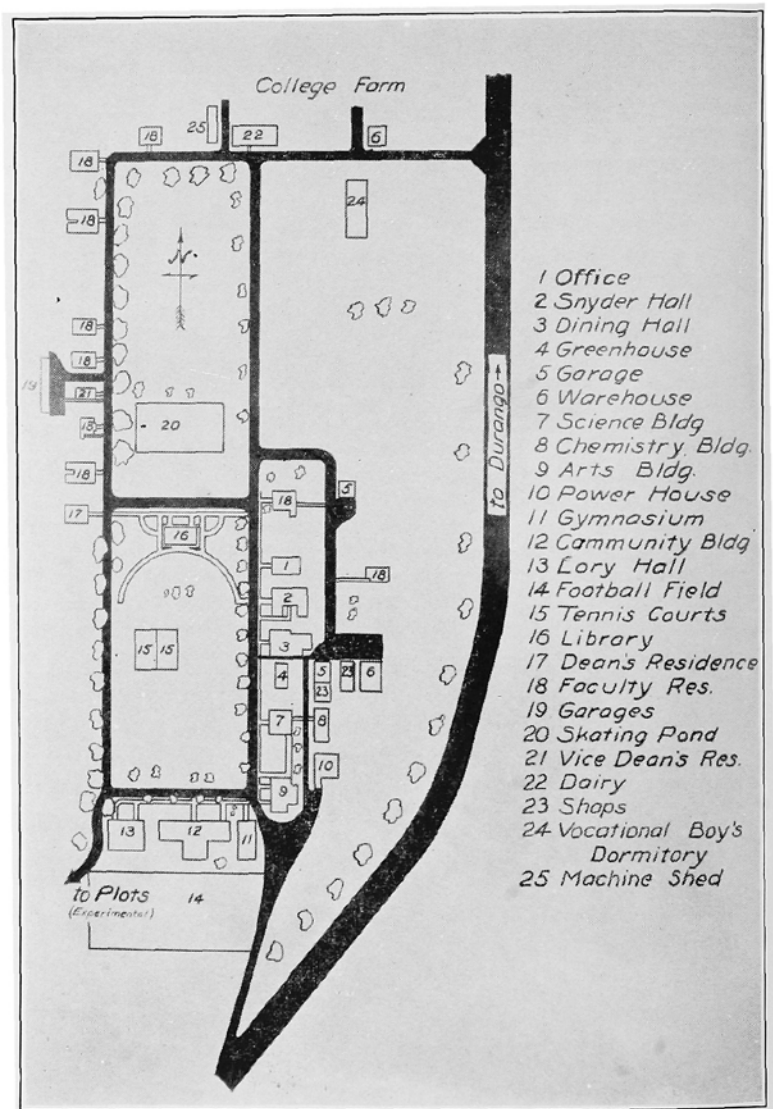
We have all found so much more in the way of education and social life than we had expected that we are taking this means to encourage each of you to consider carefully the advantages to be gained at Fort Lewis. In the way of social life we enjoy parties and dances on weekends, and a social hour is held each Wednesday evening. The athletic activities have been curtailed here as they have been in every college and university, but we are still able to enjoy competition and sportsmanship in class games which include football, baseball, basketball, volley-ball, tennis and tumbling.

The democratic spirit which pervades the Fort Lewis campus gives everyone the opportunity to make lasting friendships and to participate in a great variety of school activities.

We sincerely hope that we may become acquainted with you and have the privilege of including you in our student body.

Sincerely,

THE STUDENT BODY



Map of Campus

Colorado State College

Fort Lewis Branch

The Fort Lewis College is not a junior college, but is a branch of the Colorado State College of Agriculture and Mechanic Arts at Fort Collins. By an act of Congress approved April 4, 1910, and an act of the Eighteenth General Assembly of the State January 25, 1911, the Fort Lewis Military Reservation and Indian School lands of 6,318 acres, with buildings, became the Fort Lewis School and a part of the land-grant college system of Colorado.

Beginning in October, 1911, secondary courses in Agriculture, Home Economics, and Mechanics were offered. Four years later rural teacher-training courses were added. All secondary courses were discontinued in 1933. College work was first offered in 1927 with 27 freshmen enrolling—the first of hundreds of young people of the Southwest to receive collegiate training in the Fort Lewis School.

Students who have gone to other colleges of Colorado and to colleges of other states for their last 2 years of work have won recognition for the high standard of scholarship maintained at Fort Lewis. A student will have no difficulty in completing his college work in 4 years, provided he has carried a full 2 years load while at Fort Lewis, maintained a "C" average and does not change his major course, when that course is pursued in another institution.

Credits earned at the Fort Lewis Branch are placed on file with the registrar of the home institution at Fort Collins and may be used there or may be transferred from there to the institution of the student's choice.

Campus—Buildings and Equipment.—With fifteen major buildings and a greater number of residences and smaller structures, Fort Lewis Branch of Colorado State College is equipped with modern and standard facilities to take care of the needs of students in securing superior collegiate training. The new library, modern and fully equipped, is the latest building addition. It is the first of a series of new structures planned in the 10-year building program and reflects the policy which has been followed in improving and equipping the dormitories, the laboratories, classrooms and recreational facilities of the college.

Educational and Scenic Points

Location.—The Fort Lewis Branch of the Colorado State College of Agriculture and Mechanic Arts is located 5 miles south of Hesperus near the foot of the La Plata Mountains. The college is unique in the combination of location and educational advantages it offers. In the southwestern corner of Colorado at an elevation of 7,610 feet, the climate is mild—never too hot in the summer nor too cold in the winter. National parks, forests, deserts, mountains, scenic drives, ancient Indian ruins, and present Indian culture are all available to those interested in a first-hand study of these particular fields.

Mesa Verde.—Mesa Verde National Park offers the largest and most complete series of cliff dwellings in the United States. Because of the de-

velopment of excellent roads, Mesa Verde is today becoming one of the leading national parks in the governmental system. It is located only 35 miles from the Fort Lewis campus. Park rangers often are invited to speak to school assemblies on the ancient Indian culture found at Mesa Verde.

Aztec Ruins.—The large, ancient pueblo located at Aztec, New Mexico, is now a national monument. The ruins are different from those found at Mesa Verde and contain the largest reconstructed kiva in the San Juan Basin.

Hovenweep National Monument.—Located a few miles northwest of Cortez, Colorado, on the Colorado-Utah boundary, the Hovenweep national monument consists of four groups of prehistoric towers, pueblos, and cliff dwellings.

Yucca House National Monument.—The ruins are located on the eastern slope of Sleeping Ute Monument near Cortez. The ruins are of great archeological value in their representation of relics from the prehistoric inhabitants.

Chaco Canon National Monument.—Located in northern New Mexico, this monument is about a 4-hour drive from the Fort Lewis campus. The ruins are the cliff-dwelling type, probably the most famous being Pueblo Bonito.

Natural Bridges National Monument.—This monument is a series of three bridges located in southeastern Utah. These natural spans are among the largest of their kind in existence.

Rainbow Bridge National Monument.—Located to the south of the above-mentioned monument, the Rainbow Bridge is unique in symmetry and scientific interest.

Million Dollar Highway.—This is acclaimed by many tourists to be the most scenic drive in the United States. A circle tour may be taken from the campus through Durango, Ouray, Telluride, Rico, Dolores, Cortez, Mancos and Hesperus to Fort Lewis.

There are many other points of scenic interest within a day's drive of the Fort Lewis campus, such as the Great Sand Dunes National Monument, Shiprock, Canyon de Chelly, and the Black Canyon of the Gunnison. Many other scenic and historical points of interest are within easy driving distance of the campus.

Several excursions are sponsored by Fort Lewis College during the school year for the benefit of the student body. In addition to trips by the entire student body, special excursions for certain groups are planned from time to time. During the past year, the girls from Lory Hall made a weekend journey to Salt Lake City to study modern urban culture.

Requirements for Admission

The application for admission, which includes a transcript of the high-school record, must be submitted before the time of registration, and should be on file not later than September 1. In Colorado blanks are available at the high-school principal's office and should be sent in as soon as pos-

sible after high-school graduation. Those desiring to apply for admission from outside Colorado should write to the registrar's office and ask for the regular Application For Admission blank. In every case the application should reach the registrar's office in time for the applicant to be notified whether his credentials are sufficient for entrance. Applications for admission from those who are graduates of unaccredited high schools will be passed upon according to the merits of each individual case.

Any person who has been graduated from an accredited Colorado high school will be eligible to register here, provided the following prescribed units have been included in his high-school course of study.

	All Divisions Except Engineering	**Engineering
English	3	3
Mathematics:		
*Algebra	1	1½
Geometry	1	1
*Solid Geometry.....		½
Science (selected from Social Science 1, Chemistry 1, Physics 1).....		2
History		1
‡Electives	10	6
	—	—
	15	15

*For those not having the advanced algebra or the solid geometry, opportunity will be given to clear the deficiency after entrance.

**The requirements for admission of industrial arts students are the same as those in the column under "All Divisions Except Engineering."

Non-residents of Colorado, in addition to the above requirements, must be eligible for admission to the land-grant institution in the State where the high-school work was done.

It is recommended that students in their high-school work include 2 years of history and 2 of science.

‡Of the 10 elective units permitted, not more than 6 (for engineers, not more than 4), may be presented in vocational subjects, such as agriculture, shop, home economics and commercial subjects. Any student whose high-school preparation does not meet the above requirements may make a special application to the Committee on Admissions, which will consider each application upon its merits. Students over 25 years of age will be granted conditional entrance to college, except to the Division of Veterinary Medicine, upon recommendation of the Committee on Admissions, and upon the passing of one of the standard college-entrance intelligence tests. Students from unaccredited high schools also may be required to pass one of the standard college-entrance tests. Students entering college without work in history will be expected to take additional work in college.

Registration

Registration for the fall semester will take place on Tuesday, September 5, at 9:00 a. m. in the college library. Registration for the second semester will take place on Tuesday, January 2, 1945, at 9:00 a. m. Students who fail to register on the dates set for registration will be charged an additional fee of \$5.00. Students may not register later than one week after the opening of the semester. After registration a fee of \$1.00 will be charged for changes requested by the student.

Tuition and Fees

College Tuition and Fees	First Semester	Second Semester
Tuition	\$25.00	\$25.00
Registration fee.....	5.00	5.00
Library fee.....	2.00	2.00
Physical Education fee (men).....	2.00	2.00
Key deposit.....	1.00	..
Property deposit.....	5.00	..
Books (estimate).....	15.00	10.00
 Student Assessments		
Athletic fee.....	1.50	1.50
Student fee.....	2.00	2.00
Publications75	3.75
Dormitory fee.....	.50	.50
Class fee.....	.75	.75
	\$60.50 ‡	\$52.50 ‡

Board and Room

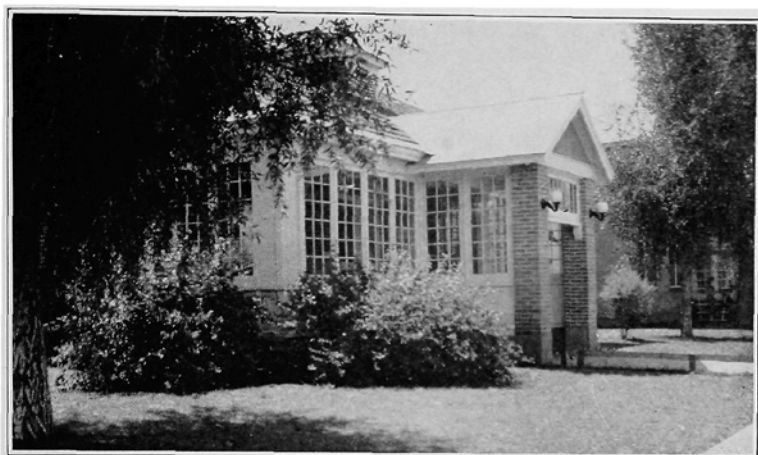
Board	\$25.00 per month
Tax50 per month
Room	5.00 per month

* \$30.50 per month payable in advance

‡ Basic cost for all students. (Out-of-State students add \$12.50 each semester.)

Additional fees vary from \$5.00 to \$20.00, depending upon course taken.

* Adjustments will be made for board when vacations or other extended absences occur.



The Administration Building

Credits, Grades and Quality Points

A Credit Defined.—One credit is given for 1 hour of lecture or recitation work a week; or 2 hours in the laboratory. In a few instances, 3 hours of laboratory are required for 1 credit. Credit is also given for physical education on the basis of one-half credit a semester.

Marking System and Quality Point System.—Term grades are reported by letter only. The scale of grades and quality points follows:

Grade		Quality Points Per Credit
A	(Excellent)	3
B	(Good)	2
C	(Average)	1
D	(Poor, but passing).....	0
E	(Condition)	0
I	(Incomplete)	0
F	(Failure)	0
WP	(Withdrawn Passing)	0
WF	(Withdrawn Failing).....	0

A grade of E (Condition) is to be given when all assignments have been completed but in quality and quantity do not quite justify a passing grade, and when, in the judgment of the instructor, the student might be able to pass a satisfactory examination after additional individual study and without repeating the subject in class. An E (Condition) must be cleared within 1 year and only a grade of D or F may be given following a condition make-up examination.

A grade of I (Incomplete) is a temporary grade indicating that a student has a satisfactory record in work completed and for justifiable reasons satisfactory to the instructor in charge was unable to complete the work of the course. An I (Incomplete) must be cleared within 1 year but no

limitation is put on the grade to be given upon the clearing of the "incomplete."

Freshman May Drop Subject.—A freshman student is permitted to drop a subject at any time before the close of the first 10 weeks in residence without any record of the drop being made.

Exemption From Final Examination.—Any student whose class and test grades for the semester will average a grade of A, may be excused from the final examination. For the last semester a senior may be exempt from the final examination in a senior subject if the class grade for the semester is B or above.

Scholastic Standards.—Any student whose scholarship at the end of his sophomore year or at any later period is below that required for graduation shall be put on probation, and both the student and his parents notified that his scholarship standing must be raised if he expects to qualify for a degree.

A student who is thus placed on probation may continue under such status for not more than 2 semesters regardless of whether or not they are consecutive. If at the end of this period the scholarship is still below that required for graduation, he may register for further work only on the recommendation of the Committee on Scholastic Standards.

A student who, for 2 semesters of his freshman year or for any semester thereafter, fails to pass 60 percent of all the credits for which he is registered (including courses in which a WP or WF has been received) is automatically suspended for 1 semester.



Office in Administration Building

The scholastic record of every student is subject to review by his Department Head and Dean at the close of each semester. The Department Head or Dean may at any time refer a student to the Committee on Scholastic Standards. This committee has the authority to place on probation or suspend a student when it appears that his work is of such a character that he cannot continue with profit to himself and credit to the institution.

A student who is at any time placed on probation because of scholastic deficiencies may register for such courses only as are approved by the Head of his Department or the Dean of his Division.

Both the student and his parents will be notified in writing by the Dean if the student is subjected to probation or suspension under the above regulations.

Scholarships and Loans

Scholarships at Institutions of Higher Learning.—The following regulations, governing the award of scholarships, were adopted by the six Colorado State Institutions of Higher Learning:

1. Scholarships are to be awarded in any one calendar year by the faculty or a committee of the faculty of each accredited high school in Colorado on the following basis:

- (a) 1 to 25 graduates.....1 scholarship
- 26 to 50 graduates.....2 scholarships
- 51 to 75 graduates.....3 scholarships
- 76 to 100 graduates.....4 scholarships
- Over 100 graduates.....5 scholarships

- (b) The students to receive the scholarships must rank in the upper 10 percent of their graduating class in scholarship.
- (c) Election shall be made primarily upon the basis of scholastic achievement and promise of collegiate success.
- (d) The length of attendance at the respective high school need not be a determining factor in the award of the scholarships.

2. Scholarships may be used in any of the six State institutions of higher learning in Colorado. (They do not include student association fees, laboratory, library, health, and other fees for certain State institutions.)

3. Each scholarship is awarded for the freshman year only. Holders of these scholarships must be in the upper 25 percent of the freshman class in order to have their scholarships continued for the sophomore year. These scholarships expire at the end of the sophomore year. A "year" is to be considered as the equivalent of 2 semesters or 3 quarters.

4. Each State institution of higher learning will set up a number of scholarships open to competition for all students above the sophomore year. These scholarships may be open to students transferring from other institutions of higher learning.

5. A scholarship student may transfer from one State institution to another in the usual manner and use the scholarship as long as he meets all other conditions.



Winter on the Campus

6. Scholarships will be valid at any time during which the institution is regularly in session for undergraduate study. When a scholarship is used in the summer term, it shall have the same cash value as it has in other terms.

7. A scholarship to be honored must be used at the beginning of the term next following upon its issuance, provided, however, that a summer term or session may intervene between its issuance and its use. It must be used for at least the equivalent of 2 semesters or 3 quarters in each calendar year in order to remain in force.

8. In a County High School System, a graduate of a branch school is entitled to a Joint Honor Scholarship within these regulations.

Note: This Certificate of Scholarship is the property of the student to whom issued, but must be presented at the institution of his choice on or before the day of registration. It will be kept on file there until returned to the student upon written request, which request must be kept on file in lieu of Certificate of Scholarship.

Recognition-of-Merit Scholarships.—The State Board of Agriculture authorizes the award of a limited number of Recognition-of-Merit Scholarships. To qualify for one, a student must be an entering freshman, have ranked in the upper one-third of his graduating class, and have demonstrated capacity for leadership through activity participation. The value of this scholarship is \$30 a semester to be applied to fees and tuition. The award is good for one year, but can be extended for another year if the holder has maintained a scholastic standard that places him in the upper third of his class, and if the Scholarship Committee recommends him for continuation.

Employment.—A few students find employment on the campus. New students with training for which there is a demand, may find employment to reduce living expense. Application with statement of training and needs should be filed with the Dean.

It is the policy of those in charge to favor students whenever service is needed. The best qualified and most willing have the preference.

Loan Funds.—Three funds have been established to give assistance to needy students, the Snyder Memorial Loan Fund, the Marie Ochsner Memorial Loan Fund, and the Fort Lewis Alumni Loan Fund. Money may be borrowed after the completion of one semester's work by worthy students. Formal application must be made to the loan-fund committee. Notes for all approved loans must be signed by the student and parents, and are drawn for 1 year or less.

Certification—Graduation

Certificates.—At the end of 2 years of work in which not less than 70 semester credits have been earned, a certificate of accomplishment is awarded at the Final Convocation.

Teacher's Certificate.—Graduates of the Education department, who at the end of 3 years have completed the required courses, are eligible to receive a certificate entitling them to teach in the rural schools of Colorado for 5 years.

Graduation.—A total of 140 credits and 140 quality points are required for graduation in all courses offered at Colorado State College, except in civil engineering, forestry, and veterinary medicine. In civil engineering 144 credits and 144 quality points are required. In forestry and veterinary medicine, 150 credits and 150 quality points are required. Six credits must be earned in military science and tactics for men except as follows:

A student transferring to Fort Collins from an institution where Military Science and Tactics (Senior Division) is not offered or required, will be entitled to an exemption from military courses of one semester for each full semester of academic credit received toward graduation.

Four credits in physical education for men and two for women must be earned.

Fort Lewis students may earn two full years of credit as required in all courses at Colorado State except veterinary medicine.

One year of college work in Pre-Veterinary Medicine may be obtained at Fort Lewis.

The additional credit required for graduation in civil engineering and forestry is obtained by students from the home institution and the Fort Lewis Branch in summer camps at the close of their Sophomore and Junior years.

Military Service.—Students withdrawing before the close of the semester to enter the military service may receive partial or full credit and tuition refunds, depending upon the date of withdrawal and grade standing.



Student Activities

Fort Lewis fosters various non-academic activities for the benefit of the student body. Winter sports enthusiasts find ample opportunity for skiing, ice skating, tobogganing, or sleigh riding. In the spring and fall, hikers may take advantage of the surrounding mountains for their favorite recreation. Other interests vary from intramural athletics to formal social functions. Opportunities for wholesome, democratic relations between faculty and student body are provided through the social program.

Student Government.—The affairs of the student body are governed by an elected Student Council. In addition, two dormitory presidents and class officers are chosen by the freshman, sophomore, and junior classes, with appointed faculty members as counselors.

Social Life.—Social life at Fort Lewis is democratic and informal, allowing for a wide range of individual taste and interest. Special week-end social gatherings, both formal and informal, are held throughout the year. A regular social hour is held each Wednesday from 6:30 to 7:30 p. m. The mountains and forests around the College furnish the setting for many picnics, parties, and campfires. These occasions are designed to cultivate courtesy and social ease, and are not calculated to involve students in large expenditures. For the most part, the expense of these activities is covered by the regular student activity fee. A recreation and game room and student, cooperative store are maintained by the student body in the basement of the Arts Building.

Student Publications.—The "Fort Lewis Collegian" is published bi-monthly by the students. Combining the features of college life with those of the business world, the college publication has a large number of subscribers.

"The Cadet" is the college annual or yearbook. Students enjoy working hard to make their publications successful.

Dramatics.—Dramatics occupy a strong position in the life of Fort Lewis students. New students may join the Dramatic Club, and tryouts are held for each play. The members not only develop their acting abilities, but are taught the principles of stage design, construction of sets, costuming, make-up, play writing, and directing as well.

Music.—Students are encouraged to develop their musical talents at Fort Lewis. An a cappella choir, a men's glee club, a women's glee club, an orchestra, and a band offer outlets for musically minded students. The annual Christmas pageant is produced through the combined efforts of the musical and dramatic organizations.

Student Assemblies.—General student assemblies are held every week. As these assemblies are an essential part of the College program, attendance is unusually good. Seats are assigned at the beginning of the school year, and an attendance record is maintained. Quality points may be earned by students who attend the programs.

Physical Education.—All students in their first 2 years of college are expected to participate in some form of physical training. The classwork of the department consists of calisthenics, football, basketball, baseball, volleyball, and tennis. Credit for physical education is given to those competing with inter-collegiate athletic teams.

Intercollegiate Athletics.—Fort Lewis is a member of the Colorado Junior College Athletic Association. In addition to playing conference rivals, the teams often compete against 4-year institutions in athletic contests. Athletes who have had 2 years of participation in the conference are immediately eligible for 2 more years of competition in 4-year colleges and universities.

Women's Athletics.—All women may participate in the College athletic program. The purpose is to encourage women's athletics and develop leadership and good sportsmanship. Awards are given for participation in various activities.

The "A" Club.—The lettermen's club is an organization of athletes who have earned awards in sports. The purpose of the club is to maintain high standards in intercollegiate athletics.

Senior Day.—All high-school seniors in the San Juan Basin and surrounding areas are invited to Fort Lewis for a spring holiday. Games, picnics, folk and social dances, athletic contests, and a dramatic presentation are only part of the program planned by the College to welcome future students. The affair is one of the most popular of its kind in the State.

The Alumni Association.—The Alumni Association is an organization composed of all those who have been regularly enrolled at Fort Lewis. The association aims to promote the best interests of Fort Lewis and to unite former classmates. The regular annual meeting is held at Fort Lewis in the fall on the Annual Homecoming Day.

The Dining Hall.—The Dining Hall at Fort Lewis is the most popular building on the campus. Meals are supervised by a trained dietitian and prepared by capable cooks. Meals are served family style by student waitresses. Students are seated at tables for six, seating arrangements being made by a student committee. The seating order is changed every 2 weeks.

Lory Hall for Women.—Lory Hall for Women, a two-story building, is located at the south end of the campus, and faces the La Plata Mountains. There are 30 rooms, 26 of which are double. Each room is equipped with bedsteads, springs and mattresses, in alcoves that may be closed from the room by sliding doors. Each room also contains a study table, dresser, chairs, curtain rods, and extension light cords.

A large living room with fireplace and furnished with overstuffed furniture, lamps, piano, and radio is open for residents and their guests. A small living room where newspapers and current magazines are kept is also available and the residents of the Hall are permitted to use the gas-equipped kitchenette.



Girls at Lory Hall

Snyder Hall for Men.—Snyder Hall is south of the Administration Building and north of the Dining Hall. It is a U-shaped building and contains 37 rooms, 34 of which are double and 3 single. These bedrooms are decorated in green and white and contain two alcoves, a dresser, study tables and chairs. A large well-furnished recreation room with low-beamed ceiling, rugged fireplace and pictures of athletic heroes, is popular for recreation. The building is convenient and comfortable.



Snyder Hall, the Home of Men Students at Fort Lewis

Abbreviations

Agronomy	Ag
Animal Husbandry.....	AH
Art	Art
Botany	B
Chemistry	C
Civil Engineering.....	CE
English	E
Education, Rural and Vocational.....	Ed
Economics, Sociology and Commerce.....	ES
Entomology and Zoology.....	EZ
Forestry	F
Farm Mechanics.....	FM
Horticulture	H
Home Economics.....	HE
Language	L
Mathematics	M
Mechanical Engineering	ME
Music	Mu
Physical Education.....	PE
Physics	Ph
Physiology	VP
Science	Sci
Special	SP

Abbreviations used in describing courses on pages 26 to 42.

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

Agriculture

The instruction in agriculture is designed to meet the needs of three groups of students: Those who desire to become agricultural experts or investigators, teachers, and those who desire a well-rounded scientific training as preparation for a life work in farming, business or other professions.

To meet the varied and special agricultural conditions of the State, election is offered in four courses: Agronomy, animal husbandry, entomology, and horticulture. Specialization in the respective courses begins in the junior year.

In addition to courses in specialized fields, a course in general agriculture is offered to meet the needs of prospective teachers of vocational agriculture and of those desiring a broad and general course rather than specialized work.

Graduates in agriculture have been finding employment as teachers of vocational agriculture, in extension work, agricultural journalism, dairying, scientific research, and private industries associated with agriculture such as sugar companies, farm-implement companies, fruit companies, railroads, and farm and ranch management. Many graduates become farmers and stockmen.

A Practical 2-Year Course in Applied Agriculture

In the last decade the problems of the farmer have taken their place in national planning alongside those of the industrialist and the business man. From the ruck of the depression have come two things important to the farmer of today and to his sons who will be the farmers of tomorrow. First, recognition of the fact that National prosperity is as dependent upon the prosperity of the farmer as upon the prosperity of the industrialist and the business man; second, recognition of the fact that the farmer of tomorrow must have a better opportunity to obtain an education in his chosen vocation.

In the past the farmers who have had an education in agriculture have had on the average a margin of advantage. Now with the war boosting farm prices, the farmer who has this advantage is in an even more enviable position, for his knowledge of improved agricultural practices is enabling him to go the limit in production for defense. At better prices his better production is widening his advantage.

It was with these things in mind that Colorado State College went about developing a practical 2-year course in applied agriculture to spread the advantage of an education in agriculture over a larger proportion of Colorado's farmers and ranchers.

The program is for the young man who wishes to make farming or ranching his life work but who finds it impossible for any reason to complete a regular 4-year course in the College. The program is so designed that even though the student does not complete the full 2 years he still will have improved his preparation for the business of farming and for rural living.

Required subjects have been reduced to a minimum, leaving the greater part of the student's program to be developed on an individual basis with the aid of counselors appointed by the Dean. The course will provide a

well-balanced and practical training in subjects and fields in which the students are particularly interested. The plan is so flexible that if a student wishes to put the major emphasis on either livestock or crop production it can be so arranged, or if he wishes a course including both livestock and crop production, he can also obtain that. Other subjects such as farm mechanics, farm management and bookkeeping, or public speaking and writing may be elected.

College credit may be obtained by 2-year-course students upon the passing of a comprehensive examination over the material covered in the regular 4-year course upon which credit is desired at the same time he becomes a candidate for a degree in a 4-year course.

Admission.—The 2-year course in agriculture is open to graduates of accredited high schools and to those who have finished the eighth grade and have had at least 3 years of farm experience after reaching their eighteenth birthdays. Any one interested should write to the registrar for detailed information.

AGRICULTURE

The number before a subject refers to its description; the number after it refers to credits.

Freshman Year

First Semester			Second Semester		
E	2	English Composition.....3	E	3	English Composition.....3
C	1	Inorganic Chemistry.....3	C	3	Inorganic and Qualita- tive Chemistry.....3
C	2	Inorganic Chemistry Laboratory2	C	4	Inorganic and Qualita- tive Chemistry Laboratory2
B	1	General Botany.....2	B	3	General Botany.....2
B	2	General Botany Laboratory1	B	4	General Botany Laboratory1
M	2	Algebra5	AH	2	Breeds of Livestock.....3
SP	1	Orientation1	H	1	General Horticulture.....3
PE	1	Physical Education.....1	PE	2	Physical Education.....1

Sophomore Year

First Semester			Second Semester		
C	5	Organic Chemistry.....3	EZ	4	Economic Entomology...3
C	6	Organic Chemistry Laboratory2	Ag	2	Soils3
EZ	11	Zoology3	Ag	4	Soils Laboratory.....2
EZ	12	Zoology Laboratory.....2	E	25	Public Speaking.....2
Ag	1	Crop Production.....3	Ag	5	Forage Crops.....2
AH	1	Market Types and Classes of Livestock...3	AH	41	Meats3
PE	3	Physical Education.....1	ES	3	Economics3
			PE	4	Physical Education.....1

AGRONOMY

- Ag 1.—Crop Production.—I. 3 (3-0). Prerequisites: B 1, B 2.
 Ag 2.—Soils—II. 3 (3-0). Prerequisites: C 1, C 2, C 3, C 4.
 Ag 3.—Crops Laboratory.—I. 2 (0-4). To accompany Ag 1. Fee, \$1.00.
 Ag 4.—Soils Laboratory.—II. 2 (0-4). Must accompany Ag 2. Fee, \$3.00.
 Ag 5.—Forage Crops.—II. 2 (2-0). Prerequisite: Ag 1.
 Ag 15.—Agriculture for Rural Teachers.—I. 3 (3-0). Required in course in Education, third year.

ANIMAL HUSBANDRY

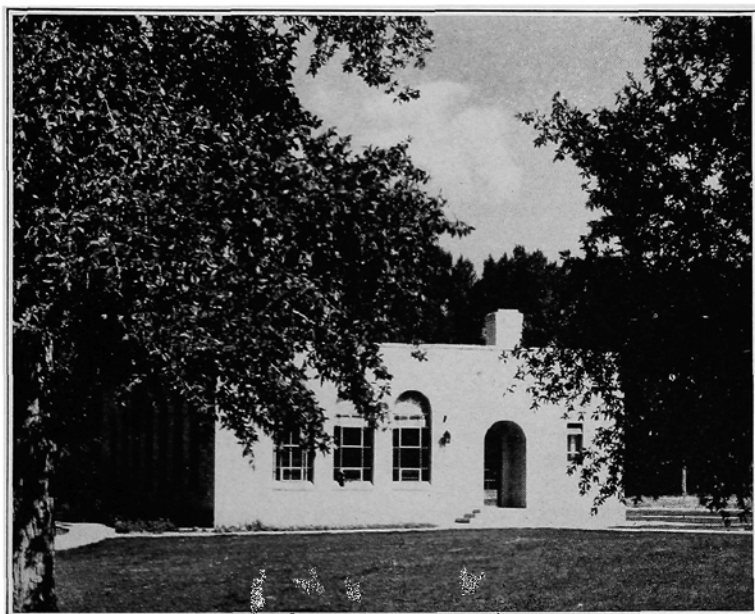
- AH 1.—Market Types and Classes of Livestock.—II. 3 (1-4).
 AH 1a.—Market Types and Classes of Livestock.—II. 2 (1-2). For students in Forestry.
 AH 2.—Breeds of Livestock.—I, II. 3 (2-2).
 AH 41.—Meats.—II. 3 (0-6).

ENTOMOLOGY AND ZOOLOGY

- EZ 4.—Economic Entomology.—II. 3 (2-2). Prerequisites: EZ 11 and EZ 12.
 EZ 11.—Zoology.—I. 3 (3-0). Accompanies EZ 12. Fee, \$2.00.
 EZ 12.—Zoology Laboratory.—I. 2 (0-4). Must accompany EZ 11.

HORTICULTURE

- H 1.—General Horticulture.—II. 3 (3-0). Prerequisites: B 1, B 2.



The Library

Engineering

Two years of College work are offered in Electrical, Mechanical and Civil Engineering.

The leaders in the engineering profession are unanimously agreed that a good engineering course should be composed largely of basic subjects. The greater ease with which broadly trained men adapt themselves to the service of society and attain important positions is ample evidence that the point of view of the leaders in the engineering profession is correct. The faculty of this institution has taken this point of view in the design of the engineering curriculum and the courses contained therein.

Many civil and irrigation engineering graduates find positions with the United States Bureau of Reclamation. Some become highway engineers. Many mechanical and electrical engineers secure positions with large corporations in the electrical manufacturing or the utilities fields. Graduates of the general and industrial arts engineering courses are equipped to teach industrial arts courses in the public schools or for employment with industrial or commercial firms needing men with engineering training.

CIVIL ENGINEERING, ELECTRICAL ENGINEERING, AND MECHANICAL ENGINEERING

Freshman Year

First Semester		Second Semester	
E	2 English Composition.....3	E	3 English Composition.....3
C	1 Inorganic Chemistry.....3	C	3 Inorganic and Qualita- tive Chemistry3
C	2 Inorganic Chemistry Laboratory2	C	4 Inorganic and Qualita- tive Chemistry Laboratory2
M	4 Mathematics for Engineers5	M	5 Mathematics for Engineers5
ME	20 Mechanical Drawing.....3	ME	21 Mechanical Drawing.....1
SP	1 Orientation1	ME	22 Descriptive Geometry.....2
PE	1 Physical Education.....1	ME	4 Working and Welding of Steel.....1
		PE	2 Physical Education.....1

Sophomore

First Semester		Second Semester	
M	21 Mathematics for Engineers4	M	26 Mathematics for Engineers4
Ph	5 Physics3	Ph	9 Physics3
Ph	6 Physics Laboratory.....2	Ph	10 Physics Laboratory.....2
ME	55 Elementary Aeronautical Engineering2	CE	60 Theoretical Mechanics...3
CE	1 Elementary Surveying...3	E	25 Public Speaking.....2
CE	2 Surveying Field Work...1	PE	4 Physical Education.....1
PE	3 Physical Education.....1		

In addition to the above, sophomore engineers will take the following:

Civil Engineering

First Semester

M	22	Engineering Problems....1
CE	51	Materials of Construction2

Second Semester

ES	3	Economics3
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Electrical Engineering

ES	91	Current Topics.....1	EE	1	Principles of Electric and Magnetic Circuits 3
E	26	Public Discussion.....2			

Mechanical Engineering

M	22	Engineering Problems....1	ES	3	Economics3
E	26	Public Discussion2			

CIVIL ENGINEERING

CE 1.—Elementary Surveying.—I. 3 (3-0). Prerequisite: M 4.

CE 2.—Surveying Field Work.—I. 1 (0-3). Taken with CE 1. Fee, \$2.00.

CE 13.—Higher Surveying.—II. 3 (3-0). Prerequisites: CE 1, CE 2.

CE 14.—Higher Surveying Field Work.—II. 2 (0-6). Prerequisites: CE 1, CE 2, taken with CE 13.

CE 51.—Materials of Construction.—I. 2 (2-0).

CE 60.—Theoretical Mechanics (Statics).—II. 3 (3-0). Prerequisite: M 21.

ELECTRICAL ENGINEERING

EE 1.—Principles of Electric and Magnetic Circuits.—II. 3 (3-0). Prerequisites: M 21, Ph 5. Must be taken with or following M 26 and Ph 9.

MECHANICAL ENGINEERING

ME 4.—Working and Welding of Steel.—II. 1 (0-3). Lecture and laboratory. Fee, \$4.00.

ME 20.—Mechanical Drawing.—I. 3 (1-6).

ME 21.—Mechanical Drawing.—II. 1 (0-3). Prerequisite: ME 20. A continuation of ME 20.

ME 22.—Descriptive Geometry.—II. 2 (0-6). Prerequisite: ME 20.

ME 26.—Freehand Drawing.—I. 1 (0-3). Prerequisite: ME 21.

ME 55.—Elementary Aeronautical Engineering.—I. 2 (2-0).

FM 3.—Farm Blacksmithing.—II. 1 (0-3). Fee, \$4.00.

Forestry and Range Conservation

The Division of Forestry and Range Conservation prepares students for professional employment within the field. Various Federal and State agencies employ most of the graduates, although there is an increasing opportunity with private enterprise. The principal Federal employers are the Fish and Wildlife Service, the Grazing Service, the Indian Service, the National Park Service, the Soil Conservation Service, and the United States Forest Service.

The number of students admitted into the junior class is limited to 60. Selection is made on the basis of scholarship and aptitude with preference shown those living in Colorado and adjoining states. Application for admittance into the junior class must be received by April 1, in order that those selected can arrange to attend summer camp. Application forms may be obtained from the Dean's office.

Practical field instruction covering a period of 10 weeks is given in the summer camp at Pingree Park, fifty-five miles west of Fort Collins, where permanent quarters are provided. The sophomore summer camp is required for a degree and is a prerequisite within the Division for succeeding forestry and range management courses.

The total expense per student for the summer camp is \$70.00, of which \$55.00 is for board and lodging and \$15.00 for camp expenses. Should rising costs make it necessary to increase the camp expense still further, the college reserves the right to do so, but no increases for the current year will be made after May 1. Each student will provide his own bedding.

Additional field work is required during the last two instructional years on forest and range lands near Fort Collins. Facilities for field instruction are offered on the Roosevelt National Forest, the Rocky Mountain National Park and forest and range areas owned by the college.

Students with physical handicaps who contemplate entering Federal service should check with the United States Civil Service Commission. The school does not bar men who are physically handicapped, but the Civil Service Commission may. Students showing a lack of proficiency in English may be required to take further instruction in this field.

The staff of the Rocky Mountain Forest and Range Experiment Station augments the regular faculty, through classroom lectures and supervision of graduate research. Regularly scheduled lectures are also given by officers of the Grazing Service, the National Park Service, the Soil Conservation Service, and the United States Forest Service.

FORESTRY

Freshman Year

First Semester			Second Semester		
E	2	English Composition.....3	E	3	English Composition.....3
C	1	Inorganic Chemistry.....3	C	3	Inorganic and Qualita-
C	2	Inorganic Chemistry			tive Chemistry.....3
		Laboratory2	C	4	Inorganic and Qualita-
B	1	General Botany.....2			tive Chemistry
B	2	General Botany			Laboratory2
		Laboratory1	B	3	General Botany.....2
M	2	Algebra5	B	4	General Botany
PE	1	Physical Education.....1			Laboratory1
SP	1	Orientation1	M	3	Plane Trigonometry.....2
			F	3	Conservation Policy.....3
			PE	2	Physical Education.....1

Sophomore Year

First Semester			Second Semester		
C	5	Organic Chemistry.....3	C	51	Elementary Geology.....3
C	6	Organic Chemistry	E	25	Public Speaking.....2
		Laboratory2	Ag	2	Soils3
B	16	Plant Classification.....3	Ag	4	Soils Laboratory.....2
CE	1	Elementary Surveying...3	ES	3	Economics3
CE	2	Surveying Field Work...1	AH	1a	Market Types and
EZ	11	Zoology3			Classes of Livestock...2
F	35	Topographic Mapping...2	Ph	7	Physics3
PE	3	Physical Education.....1	PE	4	Physical Education.....1

F 3.—Conservation Policy.—II. 3 (3-0).

F 35.—Topographic Mapping.—I. 2 (0-4). Topographic mapping. Plane table work. Use and interpretation of aerial maps.

Home Economics

Since a large majority of women become homemakers soon after leaving college, it is highly proper that the home become a pivotal interest in higher education. Home Economics is designed to meet this need, providing opportunity for the application of the sciences and the arts to problems of the home on a level that will challenge collegiate effort, and by methods that will stimulate a scientific attitude toward all relationships. The development of the student as an individual, and as a member of society more capable of dealing with rapidly changing conditions in the home and in the community should be other outcomes.

The basic curriculum, required of all home economics majors, serves as a foundation for educational experience that meets the interests of students in a fairly wide range of specialized occupations. The vocations attracting graduates from this institution have in the main been high-school and college teaching positions, extension service, social service, commercial work—including store service—and institutional fields requiring intensive training in nutrition.

HOME ECONOMICS

Freshman Year

First Semester		Second Semester			
E	2	English Composition....3	E	3	English Composition....3
C	1	Inorganic Chemistry....3	C	3	Inorganic and Qualita- tive Chemistry.....3
C	2	Inorganic Chemistry Laboratory2	C	4	Inorganic and Qualita- tive Chemistry Laboratory2
HE	1	Color and Design2	HE	15	Elementary Textiles.....2
SP	1	Orientation1	HE	16	Elementary Clothing....2
*M	17	Mathematics3	VP	22	Human Anatomy and Physiology5
ES	91	Current Topics.....1	PE	52	Physical Education.....0.5
E	51	Modern Literature.....2			
PE	51	Physical Education.....0.5			

Sophomore Year

First Semester		Second Semester			
C	5	Organic Chemistry.....3	L	2	French5
C	6	Organic Chemistry Laboratory2	Ph	1	Physics3
†L	1	French5	Ph	2	Physics Laboratory.....2
‡B	1	General Botany.....2	HE	30	Food Selection and Preparation5
‡B	2	General Botany Laboratory1	E	25	Public Speaking2
HE	17	Costume Design2	PE	54	Physical Education0.5
‡HE	18	Costume Design and Construction3			
PE	53	Physical Education.....0.5			

* Students offering three full units of mathematics on entrance, these to include algebra and geometry, are exempt from the college requirement.

† Students offering three or more units in foreign language on admission to college are not required to complete a year of modern language in college.

‡ Costume Design and Construction and General Botany are not required of nutrition majors.

HOME ECONOMICS

HE 1.—Color and Design.—I. 2 (0-4). Fee, \$1.00.

HE 2.—Advanced Design.—II. 2 (0-4). Prerequisite: HE 1. Fee, \$2.00.

HE 15.—Elementary Textiles.—II. 2(2-0). Prerequisites: C 1, C 2, parallel C 3, C 4, and HE 16.

H 16.—Elementary Clothing.—II. 2 (0-4). Prerequisite: HE 1. Should parallel HE 15. Fee, \$2.00.

HE 17.—Costume Design.—I. 2 (2-0). No prerequisites.

HE 18.—Costume Design and Construction.—I. 3 (0-6). Prerequisites: HE 15 and 16. To be taken simultaneously with HE 17. Fee, \$2.00.

HE 30.—Food Selection and Preparation.—II. 5 (2-6). Prerequisites: C 5, C 6. Fee, \$5.00.

Science and Arts

Majors are offered in Chemistry, Botany, Economics, Sociology and Education. The first 3 years may be secured at Fort Lewis and the work completed at Colorado State College.

The course in Chemistry with the various electives open, prepares the student for many lines of work in agricultural chemistry and industrial chemistry; it is excellent preparation for the teacher of physical sciences and mathematics; it furnishes a very desirable course for students who are preparing to enter medical schools.

Botany majors are equipped for scientific investigation and research, both in government service and in private industry. Many are now teaching in high schools and colleges. Many botany majors are employed by the United States Department of Agriculture and other state and federal agencies.

The three fields—economics, sociology, and history—should be studied by those interested in becoming teachers or those interested in social work. Economics is important to anyone expecting to engage in business enterprises relating to agriculture, merchandising, manufacturing or other fields of business administration. History has a three-fold purpose: to serve as a background for other courses of study; for the specialist who hopes to teach; and finally, to awaken the student to the problems of today. The sociologist has two fields open to him; as a teacher of the social sciences; or secondly, as a social worker in private or public fields. It is advisable for those interested in the social sciences to secure as broad an education as possible, especially in the first 2 years of college work.

Graduates of the 2 and 3-year courses in education find many opportunities in the schools of the San Juan Basin. There is an increasing demand for those who have prepared to teach in our rural schools. Many Fort Lewis graduates have established such fine teaching standards in the Basin schools that it has been impossible to supply enough candidates to meet the demand. The opportunities are good for those who are sincere in their desires and efforts to prepare adequately to teach.

In addition to these majors offered by the Colorado State College, other fields are open to students. If careful selection of courses is made to meet the requirements of the first 2 years, work may be continued in other institutions of higher learning.

In general, these students should satisfy the following requirements during the first 2 years:

Biological Science.....	6 semester hours
English Language.....	6 semester hours
Literature or French.....	6 semester hours
Physical Science.....	6 semester hours
Social Science.....	6 semester hours
Physical Education.....	2 semester hours
Mathematics.....	5 semester hours

Freshmen must register for English Language and Physical Education and should include two of the other required courses. The specific course requirements not met in the freshman year must be met in the sophomore year.

SCIENCE AND ARTS

Freshman Year

First Semester		Second Semester	
E 2	English Composition...3	E 3	English Composition...3
M 1	Mathematical Analysis 5	MuT64	Sight Singing and Ear Training.....2
MuT63	Sight Singing and Ear Training.....2	Sci 1	Introduction to Biolog- ical Science.....3
Sci 2	Introduction to Physical Science.....3	ES 86	World History.....3
ES 85	World History.....3	ES 90	Government3
ES 91	Current Topics.....1	PE 50	Personal and Com- munity Health.....3
SP 1	Orientation1	PE 2	Physical Education.....1
PE 1	Physical Education.....1		or
PE 51	Physical Education.....0.5	PE 52	Physical Education0.5

Sophomore Year

First Semester		Second Semester	
MuT91	History of Music.....2	MuT92	History of Music.....2
ES 83	American History.....3	ES 84	American History.....3
Ed 4	Introduction to Ed- ucation3	Ed 8	Teaching Juvenile Literature3
Ed 10	Psychology3	Ed 12	Teaching Health and Physical Education...2
C 1	Inorganic Chemistry...3	C 3	Inorganic and Qualita- tive Chemistry.....3
C 2	Inorganic Chemistry Laboratory2	C 4	Inorganic and Qualita- tive Chemistry Laboratory2
Art 1	Elementary Arts and Handicraft2	Art 2	Art Appreciation.....2
PE 3	Physical Education.....1	PE 4	Physical Education.....1
	or		or
PE 53	Physical Education0.5	PE 54	Physical Education.....0.5

Junior Year

First Semester		Second Semester					
E	7	Functional English.....	2	E	25	Public Speaking	2
Ed	9	General Methods and Management	5	Ed	14	Teaching Language Arts	3
Ed	105	Educational Psychology	3	Ed	24	Student Teaching.....	5
Ag	15	Agriculture for Rural Teachers	3	Ed	101	Principles of Edu- cation	3

Recommended Electives

E	8	Journalistic Writing.....	2	E	9	Journalistic Writing.....	2
E	26	Public Discussion.....	2	E	52	Modern Literature.....	2
E	51	Modern Literature.....	2	Ed	13	Teaching Social Studies	3
Ed	11	Teaching Science.....	3	Ed	26	Intermediate Public- School Music Methods	2
Ed	25	Elementary Public- School Music Methods	2	ES	82	Colorado History and Geography	3
ES	13	World Geography.....	3	HE	8	Dietetics for the Home	5
ES	50	General Sociology.....	5	HE	16	Elementary Clothing.....	2
HE	1	Color and Design.....	2	HE	15	Elementary Textiles.....	2
B	1	General Botany.....	2	B	3	General Botany.....	2
B	2	General Botany Laboratory	1	B	4	General Botany Laboratory	1
L	1	First-Year French.....	5	L	2	First-Year French.....	5
L	9	First-Year Spanish.....	5	L	10	First-Year Span'ish.....	5

SCIENCE

- Sci. 1.—Introduction to Biological Science.—II. 3 (2-2). Fee, \$1.00.
 Sci. 2.—Introduction to Physical Science.—I. 3 (3-0).

BOTANY AND PLANT PATHOLOGY

- B 1.—General Botany.—I. 2 (2-0).
 B 2.—General Botany Laboratory.—I. 1 (0-2). Laboratory to accompany B 1. Credit not given independently from credits for B 1. Fee, \$1.00.
 B 3.—General Botany.—II. 2 (0-2).
 B 4.—General Botany Laboratory.—II. 1 (0-2). Laboratory to accompany B 3. Credit not given independently from credits for B 3.
 B 16.—Plant Classification.—I. 3 (0-6). Prerequisites: B 1, B 2, B 3, B 4.

CHEMISTRY

- C 1.—Inorganic Chemistry.—I. 3 (3-0). Must be accompanied by C 2. No previous knowledge of chemistry is required.
 C 2.—Inorganic Chemistry Laboratory.—I. 2 (0-4). Fee, \$5.00.
 C 3.—Inorganic and Qualitative Chemistry.—II. 3 (3-0). Must be accompanied by C 4. Prerequisites: C 1 and C 2.
 C 4.—Inorganic and Qualitative Chemistry Laboratory.—II. 2 (0-4). Prerequisites: C 1 and C 2. Fee, \$5.00.
 C 5.—Organic Chemistry.—I. 3 (3-0). Must be accompanied by C 6. Prerequisites: C 1, C 2, C 3, C 4.
 C 6.—Organic Chemistry Laboratory.—I. 2 (0-4). Prerequisites: C 1, C 2, C 3, C 4. Must accompany C 5.
 C 7.—Organic Chemistry.—II. 3 (3-0). Must be accompanied by C 8. Prerequisites: C 1, C 2, C 3, C 4, C 5, C 6.
 C 8.—Organic Chemistry Laboratory.—II. 2 (0-4). Prerequisites: C 1, C 2, C 3, C 4, C 5, C 6. Fee, \$5.00.
 C 9.—Qualitative Analysis.—I. 4 (2-6). Prerequisites: C 1, C 2, C 3, C 4. Semi-microchemical methods are used. Fee, \$5.00.
 C 11.—Quantitative Analysis.—II. 4 (2-6). Prerequisite: C 9. Fee, \$6.00.
 C 16.—Organic Preparations.—Prerequisites: C 1 through C 6. Four hours attendance, one or two credits (according to work done). Fee, \$5.00.
 C 33.—Biochemistry (Home Economics)—II. 3 (3-0). Prerequisites: C 5 and C 6. Must be accompanied by C 34.
 C 34.—Biochemistry Laboratory (Home Economics)—II. 2 (0-4). Exercises to accompany C 33. Fee, \$5.00.
 C 51.—Elementary Geology.—II. 3 (2-2). Prerequisites: C 1, C 2, C 3, C 4. Fee, \$3.00.

ECONOMICS

ES 3.—Economics.—II. 3 (3-0).

GEOGRAPHY

ES 13.—World Geography.—I. 3 (3-0).

SOCIOLOGY

ES 50.—General Sociology.—I. 5 (5-0).

HISTORY

ES 72.—Social Disorganization.—II. 3 (3-0).

ES 81.—English History.—II. 3 (3-0).

ES 82.—Colorado History and Geography.—II. 3 (3-0).

ES 83.—American History.—I. 3 (3-0). A study of the economic, political, and social life in the United States before 1865.

ES 84.—American History.—II. 3 (3-0). Continuation of ES 83 after 1865.

ES 85.—World History.—I. 3 (3-0). Evolution of western civilization from prehistoric times to 1660.

ES 86.—World History.—II. 3 (3-0). Continuation of ES 85.

ES 88.—Latin American History.—I. 2 (2-0).

ES 89.—History of American Agriculture.—I. 2 (2-0).

ES 90.—Government.—II. 3 (3-0).

ES 91.—Current Topics.—I. 1 (1-0). Open to freshmen and sophomores.

SUPPLEMENTARY ELECTIVES

ES 31.—Beginning Typewriting.—I. 3 (0-4).

ES 32.—Beginning Typewriting.—II. 3 (0-4). Prerequisite: ES 31.

ES 33.—Advanced Typewriting.—III. 3 (0-4). Prerequisites: ES 31, ES 32.

ES 34.—Advanced Typewriting.—IV. 3 (0-4). Prerequisites: ES 31, ES 32, ES 33.

ES 37.—Beginning Shorthand.—I. 3 (3-0).

ES 38.—Beginning Shorthand.—II. 3 (3-0). Prerequisite: ES 37.

ES 39.—Advanced Shorthand.—I. 3 (3-0). Prerequisites: ES 37, ES 38.

ES 40.—Advanced Shorthand.—II. 3 (3-0). Prerequisites: ES 37, ES 38, ES 39.

ES 43.—Beginning Accounting.—I. 3 (1-3).

ES 44.—Beginning Accounting.—II. 3 (1-3). Prerequisite: ES 43.

ES 45.—Advanced Accounting.—I. 3 (1-3). Prerequisites: ES 43, ES 44.

ES 46.—Advanced Accounting.—II. 3 (1-3). Prerequisites: ES 43, ES 44, ES 45.

ES 47.—Filing.—II. 2 (0-2). Prerequisites: ES 37, ES 38, ES 39.

EDUCATION

Ed 4.—Introduction to Education.—I. 3 (3-0). Required in the course in Education, sophomore year.

Ed 8.—Teaching Juvenile Literature.—II. 3 (3-0). Required in the course in Education, sophomore year.

Ed 9.—General Methods and Management.—I. 5 (5-0). Required in the course in Education, third year. Fee, \$2.00.

Ed 10.—Psychology.—I. 3 (3-0). Required in the course in Education, sophomore year.

Ed 11.—Teaching Arithmetic.—I. 3 (3-0).

Ed 12.—Teaching Health and Physical Education.—II. 2 (2-0).

Ed 13.—Teaching Social Studies.—II. 3 (3-0).

Ed 14.—Teaching Language Arts.—II. 3 (3-0). This course is required of third-year education students.

Ed 24.—Student Teaching.—II. 5 (5-0). Prerequisites: Ed 4, Ed 9, Ed 105. Required in the course in Education, third year. Fee, \$2.00.

Ed 25.—Elementary Music Education Methods.—I. 2 (2-0).

Ed 26.—Intermediate Music Education Methods.—II. 2 (2-0).

Ed 101.—Principles of Education.—II. 3 (3-0). Required in the course in Education, third year.

Ed 105.—Educational Psychology.—I. 3 (3-0). Required in the course in Education, third year. Prerequisite: Ed 10. All who expect to teach should take this course as a continuation of Ed 10.

ART

Art 1.—Elementary Arts and Handicraft.—I. 2 (0-4). This course is offered to the second-year students in Education. Fee, \$1.00.

Art 2.—Art Appreciation.—II. 2 (2-0).

ENGLISH

E 1.—English Composition, Review.—I. 1 (3-0). Required of freshmen who are not prepared to take E 2, E 1 is a thorough review of the essentials (high-school level) of grammar, punctuation, spelling, and sentence structure.

E 2.—English Composition.—I. 3 (3-2).

E 3.—English Composition.—II. 3 (3-2). Prerequisite: E 2.

E 7.—Functional English.—I. 2 (2-0). Prerequisites: E 2, E 3.

E 8.—Journalistic Writing. The News Story.—I. 2 (2-0).

E 9.—Journalistic Writing. The Feature Article.—II. 2 (2-0).

E 16.—History of English Literature.—I. 2 (2-0).

E 17.—History of English Literature.—II. 2 (2-0).

E 25.—Public Speaking.—II. 2 (2-0). Prerequisite: E 2.

E 26.—Public Discussion.—I. 2 (2-0). Prerequisites: E 2, E 3.

E 31.—Stage Craft.—3 (1-4).

E 51.—Modern Literature.—I. 2 (2-0).

E 52.—Modern Literature.—II. 2 (2-0).

E 53.—American Literature.—II. 2 (2-0). Prerequisites: E 2, E 3.

LANGUAGES

Note: Students having high-school credit for two years of French or Spanish may not take first-year French or first-year Spanish in college for credit.

L 1.—First-Year French.—I. 5 (5-0).

L 2.—First-Year French.—II. 5 (5-0). Prerequisite: L 1. This course is a continuation of L 1.

L 9.—First-Year Spanish.—I. 5 (5-0).

L 10.—First-Year Spanish.—II. 5 (5-0). Prerequisite: L 9.

L 11.—Second-Year Spanish.—I. 5 (5-0). Prerequisite: L 10, or two years of high-school Spanish.

L 12.—Second-Year Spanish.—II. 5 (5-0). Prerequisite: L 11.

MATHEMATICS

M 1.—Mathematical Analysis.—I. 5 (5-0).

M 2.—Algebra.—I. 5 (5-0).

M 3.—Plane Trigonometry.—II. 2 (2-0).

M 4.—Mathematics for Engineers.—I. 5 (5-0). Prerequisites: 1.5 units of high-school algebra, 1 unit of plane geometry, and 1.5 units of solid geometry.

M 4a.—Mathematics for Engineers.—I. 5 (8-0). Required of freshmen who are deficient in the prerequisites for M 4 or of those who show by examination that they are not prepared to take M 4.

M 5.—Mathematics for Engineers.—II. 5 (5-0). Prerequisite: M 4. This course is a continuation of M 4.

M 6.—Analytic Geometry.—II. 5 (5-0). Prerequisites: M 2, M 3.

M 17.—Mathematics (Home Economics)—I. 3 (3-0).

M 20.—Differential Calculus.—I. 5 (5-0). Prerequisite: M 6.

M 21.—Mathematics for Engineers.—I. 4 (4-0). Prerequisite: M 5.

M 22.—Engineering Problems.—I. 1 (0-2). Prerequisite or parallel: M 21.

M 25.—Integral Calculus.—II. 5 (5-0). Prerequisite: M 20. The course is a continuation of M 20.

M 26.—Mathematics for Engineers.—II. 4 (4-0). Prerequisite: M 21.

MUSIC

Mu 5.—Orchestra.—I. 1 (0-2).

Mu 6.—Orchestra.—II. 1 (0-2). Continuation of Mu 5.

Mu 7.—Band.—I. 1 (0-2).

Mu 8.—Band.—II. 1 (0-2).

Mu 10.—A Cappella Choir.—II. 1 (0-2). Continuation of Mu 9.

MuT 63.—Sight Singing and Ear Training.—I. 2 (2-0). Freshman year.

MuT 64.—Sight Singing and Ear Training.—II. 2 (2-0). Continuation of MuT 63.

MuT 71.—Harmony and Keyboard Harmony.—I. 3 (3-0).

MuT 72.—Harmony and Keyboard Harmony.—II. 3 (3-0). Prerequisite: MuT 71. Continuation of MuT 71.

MuT 91.—History of Music.—I. 2 (2-0).

MuT 92.—History of Music.—II. 2 (2-0).

MuT 93.—Appreciation and History of Music.—II. 2 (2-0).

MuV 3.—Fundamentals of Voice Production.—I, II. Two credits. One half-hour private lesson per week. Fee, \$18.00.

MuP 13.—Piano.—I, II. Two credits. One half-hour private lesson per week. Fee, \$18.00.

PHYSICAL EDUCATION

PE 1.—Physical Education.—I. 1 (0-4). Health education. Required of freshmen men, unless replaced by PE 21.

PE 2.—Physical Education.—II. 1 (0-4). Required of freshmen men, unless replaced by PE 22.

PE 3.—Physical Education.—I. 1 (0-4). Required of sophomore men, unless replaced by PE 21.

PE 4.—Physical Education.—II. 1 (0-4). Required of sophomore men, unless replaced by PE 22.

PE 21.—Physical Education Laboratory.—I. 2 (0-10). Instruction and practice in the fundamental skills of athletic activities; football, basketball, track or baseball. Must be followed by PE 22.

PE 22.—Physical Education Laboratory.—II. 2 (0-10). Continuation of PE 21.

PE 50.—Personal and Community Health.—II. 3 (3-0).



The Gymnasium



The Basketball Squad

PE 51.—Physical Education.—I. 0.5 (0-2).

PE 52.—Physical Education.—II. 0.5 (0-2). Required of freshmen women.

PE 53.—Physical Education.—I. 0.5 (0-2) Required of sophomore women.

PE 54.—Physical Education.—II. 0.5 (0-2). Required of sophomore women.

First Aid: A standard Red Cross First Aid Course will be offered. Twenty hours of class work will be required. The student who successfully completes the course will receive a standard Red Cross certificate.

PHYSICS

Ph 1.—Physics.—II. 3 (3-0). Required in Home Economics course.

Ph 2.—Physics Laboratory.—II. 2 (0-4). Accompanies Ph 1.

Ph 5.—Physics.—I. 3 (3-0). Prerequisites: M 2, M 3. Engineering physics.

Ph 6.—Physics Laboratory.—I. 2 (0-4). Accompanies Ph 5.

Ph 7.—Physics.—II. 3 (3-0). Prerequisites: M 2, M 3. Required in course in forestry.

Ph 9.—Physics.—II. 3 (3-0). Continuation of Ph 5.

Ph 10.—Physics Laboratory.—II. 2 (0-4). Continuation of Ph 6.

SPECIAL

SP 1.—Orientation.—I. 1 (1-0). Required of all freshmen students.

Veterinary Medicine

A 4-year professional course is offered by Colorado State College designed to meet the requirements for modern veterinary education. A student entering the first year of the course in veterinary medicine must have completed one full year of acceptable college work. This pre-veterinary year may be taken at the Fort Lewis College.

PRE-VETERINARY YEAR

First Semester		Second Semester	
C	1 Inorganic Chemistry.....3	C	3 Inorganic and Qualita- tive Chemistry.....3
C	2 Inorganic Chemistry Laboratory2	C	4 Inorganic and Qualita- tive Chemistry Laboratory2
E	2 English Composition.....3	E	3 English Composition.....3
EZ	11 Zoology3	E	25 Public Speaking.....2
EZ	12 Zoology Laboratory.....2	B	3 Botany2
B	1 Botany2	B	4 Botany Laboratory.....1
B	2 Botany Laboratory.....1	AH	2 Breeds of Livestock.....3
SP	1 Orientation1	PE	2 Physical Education.....1
PE	1 Physical Education.....1		

VP 22.—Human Anatomy and Physiology.—II. 5 (5-0).

Colorado State Institutions of Higher Learning

The University of Colorado.....Boulder

ROBERT L. STEARNS, *President**

R. G. GUSTAVSON, *Acting President*

The Colorado State College.....Fort Collins

(Of Agriculture and Mechanic Arts)

ROY M. GREEN, *President*

The Fort Lewis Branch of The Colorado
State College.....Hesperus

E. H. BADER, *Dean*

The Colorado School of Mines.....Golden

M. F. COOLBAUGH, *President*

The Colorado State College of Education.....Greeley

G. W. FRASIER, *President*

The Western State College.....Gunnison

C. C. CASEY, *President*

The Adams State Teachers College.....Alamosa

IRA RICHARDSON, *President*

* On military leave.