

Trimester Academic Calendar

1963-64

FALL TRIMESTER

September

3 (Tuesday)..... Assignment of on-campus housing

4 (Wednesday)..... Classes begin for the fall trimester

November

28, 29, 30 (Thursday through
Saturday)..... Thanksgiving holiday

December

1 (Sunday)..... Thanksgiving holiday

17 (Tuesday)..... Last day of classes for the fall trimester

18 (Wednesday)..... Examinations begin for the fall trimester

WINTER TRIMESTER

January

6 (Monday)..... Classes begin for the winter trimester

April

15 (Wednesday)..... Last day of classes for the winter trimester

16 (Thursday)..... Examinations begin for the winter trimester

SPRING TRIMESTER

April

27 (Monday)..... Classes begin for the spring trimester

August

5 (Wednesday)..... Last day of classes for the spring trimester

6 (Thursday)..... Examinations begin for the spring trimester

SUMMER SCHOOL — 1964*

June

15 (Monday)..... Classes begin for the 8-week Summer School

August

7 (Friday)..... Last day of the Summer School

* Students interested in enrolling for the Summer School should write to the Director of Admissions and Records for the Summer School Bulletin.

General Information Bulletin



Fort Lewis A & M College

Durango, Colorado

A COEDUCATIONAL, LIBERAL ARTS COLLEGE THAT OPERATES
YEAR 'ROUND

General Information Bulletin
of
Fort Lewis A & M College
Durango, Colorado

"An opportunity to participate in an exciting new experiment in publicly supported higher education awaits the high school senior or transfer student who selects Fort Lewis A & M College as the institution where he will earn his baccalaureate degree. This General Information Bulletin briefly describes the College. Inquiries about special aspects of the Fort Lewis program are always welcomed, and we enjoy having you visit our new campus at Durango, Colorado."

John F. Reed
President

Issued May, 1963

Published by the Office of Information and Services in cooperation with other administrative offices of the College.

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The College Setting and the Physical Plant

Fort Lewis A & M College is blessed. Its setting is particularly beautiful, and it has a new campus.

The College is located on a high mesa overlooking the city of Durango; the La Plata and San Juan Mountains lie immediately to the west and north. National forests, national monuments and national parks (including the well-known Mesa Verde National Park with its famous prehistoric cliff dwellings) are all close, and the reservations of several Indian tribes lie a short distance to the south and west.

The College was moved from its colorful old army fort site to Durango in 1956, and since that time the construction of new buildings has been virtually uninterrupted. Visitors to the campus constantly express their delight at the beauty of the campus and of its natural surroundings. Buildings are of native stone and glass.

The main academic and student services buildings are: Academic Building (with its new Science Wing), Fine Arts Building, Gymnasium, Ray Dennison Memorial Field and Stadium, Raman A. Miller Memorial Student Center, T. Chase McPherson Memorial Chapel, Health Center, six two-story residence halls (one named in honor of Alfred McNeil Camp) and thirty-two married student apartments. There is also a new residence center, capable of accommodating nearly two hundred students. The President's home is located on the rim of the mesa.

The College retains the 6,318-acre tract on which the original Fort Lewis was located. A portion of it is leased to Colorado State University for agricultural research and experimentation. These facilities are available to Fort Lewis A & M College for instructional purposes.

Durango, the home of Fort Lewis A & M College, is a pleasant town of approximately 11,000 persons. Its swimming pool, bowling alley, theaters, roller rink, ice-skating pond, restaurants and shops are utilized by the students of Fort Lewis.



Programs of Study

Fort Lewis A & M College offers programs leading to the Bachelor of Arts Degree and the Bachelor of Science Degree. Majors are provided in Business, English, History, Humanities, and Mathematics, and in Biological Science and Physical Science.

In business a student may choose one of four options: Accounting, Business Administration, Business Education or Managerial Economics. Those students choosing the Humanities Major must select one primary concentration and two secondary concentrations from Music, Art, History and Literature.

The Physical Science major includes an option in Chemistry.

In addition, students may complete the first two years of college work in Agriculture, Forestry, Engineering and Industrial Arts.

A complete two-year course is offered in secretarial science, with students graduating with an Associate of Arts Degree.

Programs are also offered in the areas of Elementary and Secondary Education.

Graduation requirements stipulate the completion of a major course of study as approved by the student's specific division and the selection of related courses, constituting a "minor." The major usually entails 32 credit hours of work in a designated subject-matter field; the minor, 18 credit hours. Among areas of study often selected for a minor are: accounting, agriculture, art, biology, business, business-economics, chemistry, engineering, English, French, history, geology, industrial arts, mathematics, music, physical education, physics, psychology and secretarial science.

A student must also have a minimum of 128 trimester hours of credit and a cumulative grade point average of 2.00 for graduation. At least 32 hours of credit must have been received for work completed on the Fort Lewis A & M College campus and 24 hours must be earned during the senior year.

All students are required to take certain courses. These include English, speech, physical education and 24 hours of "core" courses:

Man and the Social World
Man and the Political World
Man and World Civilization
Man and the Scientific World
Man and His Cultural Heritage

Nine hours of credit are required in Freshman English and Fundamentals of Speech, and three hours of physical activity. Also, in his senior year, the student must take either a seminar or an independent study course.

Upon admission, each student is assigned a faculty advisor for purposes of consultation and advisement on academic matters. Each student is assisted in choosing appropriate courses commensurate with his own interests and abilities.

The various curricula and graduation requirements have been devised to give every student a broad academic background as well as sufficient course material so that the student will be well versed in his major. Thus, upon graduation, students will have the necessary background either to enter upon their chosen profession, or to enroll in a graduate school for further academic work.

Class sizes are rather small (except for the core courses which can be taught to advantage to large groups), and the student receives a great deal of individual help.

All faculty members establish office hours — making themselves available for additional help to students outside of classtime. Many instructors also establish and conduct during the year "special help" classes for the students who need special direction and explanation.

Since College facilities are new, classrooms are modern, light and cheerful. Laboratory classes are conducted in modern, well-equipped laboratories, using the most up-to-date facilities. Equipment is available to students for experimentation.

Library facilities are being augmented as rapidly as possible. Students doing usual research problems in their immediate field will find that the library can supply their needs. Since the college subscribes to more than 300 periodicals, materials for most all classes are satisfactory.

To remain in good standing at the College, a student must achieve a cumulative average of 2.00 (a "C" on an A, B, C, D, F, scale). Unless the work of beginning freshmen is completely unsatisfactory, freshmen have a minimum of two terms in which to develop habits of study which are conducive to acceptable grades.

Final examinations are an integral part of your academic program and are scheduled at the end of each trimester.

The student may enter during any one of the three trimesters. Students who elect to go year 'round consistently (though no student is required to do so) can be graduated in about two and two-thirds years.



Watch these **TEN TROUBLE SPOTS** in the history-making weeks ahead!



1 UNITED STATES ...

2 CANADA ...

3 GERMANY ...

4 FRANCE ...

5 ITALY ...

6 JAPAN ...

7 INDIA ...

8 AUSTRALIA ...

9 SOUTH AFRICA ...

10 MIDDLE EAST ...



Admission

HOW TO APPLY FOR ADMISSION

Students who seek admission to Fort Lewis A & M College should follow these three simple steps:

1. Obtain an application blank from your high school principal or from the College.
2. Fill out the student portion of the application form and mail it to the Director of Admissions and Records, Fort Lewis A & M College, Durango, Colorado. Have your high school principal fill out his portion of the application. (The principal will send his report directly to Fort Lewis.)
3. See your high school counselor for registration to take the ACT which will be given at centers in the 50 states.

WHEN TO APPLY

Applicants should not apply for admission until after the first semester of their senior year. The application should be completed at least a month prior to the beginning of the trimester which the student plans to enter.

Students, other than foreign students, may enroll at the beginning of any trimester.

ADMISSION OF FIRST-TIME COLLEGE STUDENTS

Applications for admission of high school graduates will be evaluated on the bases listed below. Students are expected to show promise of success in college, are expected to have demonstrated excellent achievement and/or have strong recommendations from school officials.

1. **GRADUATION:** The student must be a graduate of a high school and must present 15 acceptable secondary school units. Of the 15 units required, 10 must be chosen from the following academic fields: English, foreign languages, mathematics, science and social studies, and include not fewer than 3 units of English. High school is interpreted as grades 9-12.

2. **RANK IN CLASS:** A freshman is expected to be in the upper two-thirds of his graduating class. A student in the lower third of his graduating class will be considered on the basis of personal interview, American College Test results, recommendations, and other information.
3. **ENTRANCE TESTS:** All freshmen applicants are expected to have ACT results sent to the College. Complete information regarding this test may be secured from the high school principal or by writing to ACT Central Registration Unit, 519 West Sheridan Road, McHenry, Illinois.
4. **PERSONAL QUALIFICATIONS:** A student to be granted admission must be of acceptable moral and ethical character.

ADMISSION OF FORMER STUDENTS

Former students of the College, returning after an absence of more than one trimester, are to apply for readmission. Students seeking readmission who have attended other collegiate institutions in the interval, are required to file complete transcripts of work earned at these colleges.

ADMISSION OF TRANSFER STUDENTS

Applicants with a cumulative scholastic average of "C" and honorable dismissal from other colleges and universities may be admitted to Fort Lewis A & M College. Their status is tentatively determined by the quantity and quality of the work completed at the institution from which they come. In transfer, credits will ordinarily be granted for work transferred to the college for satisfactorily completed college level courses that are acceptable in a degree program.

EARLY ADMISSION

Secondary school students who show unusual promise may be admitted early to the College. While it does not actively recruit candidates for early admission before graduation from secondary school, the College will, upon recommendation of the high school, review the credentials of those whose aca-

ademic programs have been unusually successful and extensive. Social and emotional maturity also are considered in selecting candidates for early admission.

ADVANCED PLACEMENT

The College will recognize unusual secondary school work by means of advanced placement and credit for those who have taken especially enriched or accelerated courses before entering college. Applicants ordinarily qualify for such credit by satisfactory achievement on Fort Lewis approved placement examinations. Further information may be obtained by writing the Director of Admissions and Records.

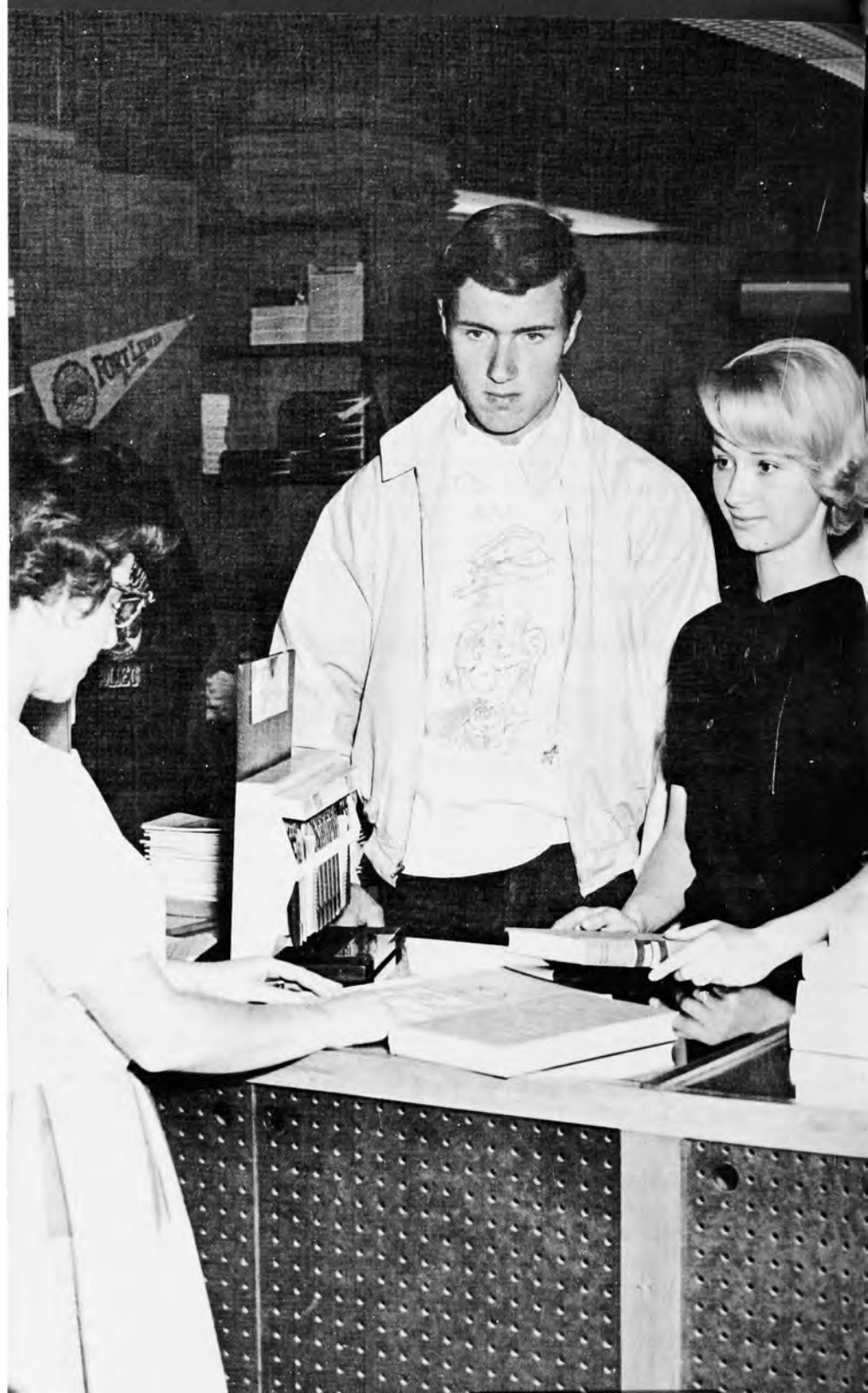
ADMISSION OF UNCLASSIFIED STUDENTS

Under special circumstances individuals may be permitted to register for certain courses without having been admitted formally to the College. Normally these individuals are adults whose objective may be realized by taking a few courses rather than by pursuit of a baccalaureate degree.

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. 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 beginning of the Spring Trimester or in the eight-week Mid-Trimester Session.



Costs

GENERAL FEES

	First Trimester (Fall)	Second Trimester (Winter)	Third Trimester (Spring)	Total
Evaluation Fee (nonrefundable charged all first-time applicants to Fort Lewis A & M College)	\$ 5.00			\$ 5.00
Registration Fee	5.00	\$ 5.00	\$ 5.00	15.00
Resident Tuition	55.00	55.00	55.00	165.00
Non-Resident Tuition	175.00	175.00	175.00	525.00

For resident students registered for 8 hours or less there will be a charge of \$6.00 per hour for tuition purposes.

For non-resident students registered for 8 hours or less there will be a charge of \$19.00 per hour for tuition purposes.

Regulations governing in-state and out-of-state tuition status:

Determinations for resident status for tuition purposes will be made in accordance with Chapter 299, Session Laws of 1961, Colorado General Assembly.

Official members of American Indian tribes are admitted tuition free.

ASSOCIATED STUDENT FEES

\$ 72.00 \$ 27.00 \$ 27.00 \$126.00

Associated student fees provide for student activities, athletics, health and other extracurricular activities.

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

SPECIAL FEES

Late Registration	\$10.00
Schedule Change	1.00
Special Examination Fee	5.00 — 10.00
Transcript of Credit (first is free)	1.00
Applied Music (one lesson per week)	25.00
Laboratory Fees**	
Biological Science	5.00
Chemistry	12.50
Crafts	5.00
Geology	10.00
Physics	5.00
Soils	7.50
Typing	3.00
Welding	18.00
Woodworking	5.00
Zoology	5.00
Graduation Fee	10.00
Graduation <i>in absentia</i>	15.00

DEPOSITS

All-Student Security Deposit	10.00
Room Deposit	20.00
Apartment Deposit	20.00

RESIDENCE HALLS

	First Trimester (Fall)	Second Trimester (Winter)	Third Trimester (Spring)	Total
Board and Room - Men	\$360.00	\$360.00	\$360.00	\$1,080.00
Board and Room - Women	\$370.00	\$370.00	\$370.00	\$1,110.00

**These fees are for specific laboratory courses and are charged to only those students registered for the courses. Excessive breakage in any laboratory course will require an additional fee sufficient to cover the expenses incurred.

APARTMENTS

One Bedroom per month	\$65.00
Two Bedroom per month	70.00
Apartment rental does not include utilities.	

FEE REGULATIONS

Payment of Fees:

All tuition, fees, and deposits for the trimester are payable at the time of registration. Registration is not considered complete, and attendance in classes will not be permitted until the student has made arrangements to meet, fully, his financial obligations.

Room and board charges are payable in full at the time the student moves into the residence hall. If necessary, the student may make arrangements to pay board and room charges on an installment plan.

Refund of Tuition and Fees:

A student dismissed or suspended from college as a result of official college action will 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 after date of registration.

Refund of Residence Hall Expenses:

Refunds for board and room will be made on a pro rata basis upon official withdrawal from the College.



Student Services

The intent of Fort Lewis A & M College is to equip students to live purposefully and effectively in a complex world. This is accomplished by faculty, staff and students working together. The coordination of these activities is the function of the office of the Dean of Students.

GUIDANCE

It is the function of the Educational Advisor's office to coordinate the various guidance services to the end that all students at the College may make a successful adjustment to college life and plan adequately for the future. The Educational Advisor's office implements and supplements the guidance activities of faculty advisors.

STUDENT ACTIVITIES

The Student Senate of Fort Lewis A & M College is the central agency for planning, coordinating and budgeting for all College organizations. It is the governing body of the Student Assembly. All official organizations are represented within the Senate. The Senate is advised by two members of the Academic Faculty. It is also in close communication with the College Administration. All activities are planned for and are open to students of the College.

RELIGIOUS AFFAIRS

One of the standing committees of the administration, the Religious Affairs Committee, concerns itself with religious organizations and activities of the students. The College encourages a student to pursue the religion of his choice. The complex society in which we live often suggests the pursuit of a philosophy which provides a personal satisfaction as well as the stimulation of spiritual curiosity.

The Deseret Club is an organization of students adhering to the standards of the Church of Jesus Christ of Latter Day Saints and fosters the social and religious activities of its members.

The Newman Club is an organization of Roman Catholic students whose purpose is to promote the religious life of its members.

An integrated relationship with the Parish of St. Mark's, the service of Holy Communion each Wednesday in the College Chapel, and the Canterbury Club are available for the church life of the Episcopal student.

The United Christian Student Movement is a meeting together of persons of various denominations on campus for the purpose of providing effective growth and to deepen the Christian faith of the academic community and to increase sensitivity to an understanding of the responsibilities of the Christian community

HEALTH SERVICE

It is recognized that the student must be physically fit at all times in order to perform at maximum capability. There are three distinct features of the College Health Service. Therefore the required health fee provides for the following services:

1. An out-patient treatment center located near the center of the campus and residence halls. A registered nurse is on duty forty hours each week and is on call at all times.
2. Two medical doctors are retained and are on call by the College nurse at all times.
3. A required accident and sickness insurance policy is provided for through student fees.

ALL SUCCESSFUL APPLICANTS MUST PROVIDE THE COLLEGE NURSE WITH A RECORD OF A RECENT PHYSICAL EXAMINATION. The College health card will be mailed to the applicant with the permit to register.

STUDENT CONDUCT

Fort Lewis A & M College believes that learning and day-to-day living cannot be separated. Therefore student behavior which detracts from the on-going education processes will be discouraged. Behavior which seriously threatens the individual or the community will not be tolerated. For these reasons

and for their own human and social value, high standards of personal conduct are expected of students both on and off campus. Any student who is unwilling or unable to meet these standards may be asked to leave the College. There are no voluminous rules and regulations published concerning student conduct. The College relies instead on good taste and maturity of College students and on their assumption of full adult responsibilities for the consequences of their behavior.

EMPLOYMENT AND CAREER SERVICES

PART-TIME JOB PLACEMENT. Some students need to earn part of their college expenses during their attendance. Students who need help locating employment on or off campus should submit a schedule of their classes to the Dean of Students after registration. He or a member of his staff will then help them find employment and help them with their total schedule. Freshmen are not encouraged to work unless their financial status demands it. A limited number of on and off campus jobs are normally available.

GRADUATE STUDY. The student faculty advisor, division chairman and the Student Personnel Division offer assistance to students applying for admission to graduate work. Students should discuss their intentions with their faculty advisor before entering the senior year at the College.

CAREER PLACEMENT. The College feels the responsibility for assisting its students to find permanent employment after graduation. The Office of the Dean of Students with the cooperation of the Office of Admissions and Records, helps students to compile a set of credentials which will be made available to prospective employers upon request of the student. Interviews with business, industrial, and educational recruiters are arranged by the career placement service. Faculty advisors and division chairmen actively work to place their graduates.

PERSONAL FINANCES

Students and their parents are urged to arrange for the personal finances of the student in a manner satisfactory to his parents. Such arrangements are convenient for both the student's needs and periodic parental deposit and control. The College Business Office will accept monies on deposit until needed by the student. The Business Office will also ordinarily accept and cash student checks.

MOTOR VEHICLES

All students are permitted to have their cars on campus, though freshmen often find that the ready availability of a car has been a contributing factor to a not-so-good academic record. The student faculty advisor, the Academic Standards Committee or the Dean of Students may restrict use of an automobile if excessive use of a car appears to be resulting in poor grades.

Students must register their automobiles with the Campus Security Officer during the official registration period. Campus traffic and parking regulations will be distributed at the time of registration.

FINANCIAL AIDS

A number of scholarships and grants are available to students who are accepted for admission to Fort Lewis A & M College. This includes the National Merit Scholarship and other scholarships of a more local nature.

PROCEDURE FOR MAKING APPLICATION. Application for a National Merit Scholarship should be made with your local school. All Colorado schools carry the Application for Financial Aid used by Colorado collegiate institutions. Applications should be addressed to: Chairman, Student Financial Aids Committee, Fort Lewis A & M College, Durango, Colorado.

RECOGNITION OF MERIT SCHOLARSHIPS. To be qualified for a Recognition of Merit Scholarship the student must have ranked in the upper one-third of his class, demonstrated leadership qualities, participated in high school activities, and should have the recommendation of his high school principal or superintendent. This award provides a tuition waiver and remains in effect so long as the recipient meets requirements set by the College.

JOINT HONOR SCHOLARSHIPS. Fort Lewis A & M College is a participating institution in the Joint Honor Scholarship Plan. Colorado students should contact their high school principals or guidance personnel for additional information.

SPONSORED GRANTS-IN-AID. Organizations, business firms, and individuals in Durango and nearby communities annually sponsor grants-in-aid for deserving students. These grants are awarded on the basis of need as well as scholarship. They range in value from tuition upward.

GRANTS-IN-AID. A number of athletic, music, and educational grants are available from the College. Athletic grants may include fees and one meal per day in season. Educational grants are awarded on the basis of academic accomplishment, leadership and actual need. These grants include waiver of tuition and are renewable to the recipient upon meeting requirements of the College.

LOANS. Fort Lewis A & M College is a participating institution in the National Defense Loan Program and the United States Aid Fund loan program. The College administers a separate loan fund of its own.

SPECIAL AID TO AMERICAN INDIANS. Tuition charges are waived for all registered members of American Indian tribes.

INTERCOLLEGIATE ATHLETICS

Fort Lewis A & M College has a comprehensive men's intercollegiate athletic program and sponsors teams in the following sports: football, basketball, track, tennis, wrestling, golf, and gymnastics. All teams compete against four year colleges in the Rocky Mountain and Southwestern areas. The College will apply for admission to a four-year athletic conference in the Rocky Mountain region and NCAA during the 1963-64 school year.

INTRAMURAL ATHLETICS

An excellent intramural athletic program is offered at Fort Lewis A & M College. The following activities are provided: flag football, baseball, softball, basketball, track and field, tennis, golf, volleyball, badminton, gymnastics, and wrestling. All men and women students are urged to participate in the year 'round intramural program.

MAIL SERVICE

A post office is maintained in the Student Center for the convenience of the students. Students living on-campus have their mail delivered to individual postal boxes in the residence halls. Students living off-campus should obtain a postal box at the College Post Office unless their permanent address is in Durango.

RECREATION AND PHYSICAL EDUCATION

The physical education program for both men and women at Fort Lewis A & M College emphasizes individual and dual sports. Facilities and equipment for golf, tennis, badminton, bowling, archery, gymnastics, weight training and skiing are available.

The College is located in the heart of some of Colorado's finest recreation areas. Hiking, horseback riding, mountain climbing, fishing and hunting are popular activities in this area.

STUDENT IDENTIFICATION CARDS

Identification cards are required for all students and are prepared by the College at the time of registration. They include a photograph and are available in helping a student establish his identification at check-cashing or other times.

STUDENT ORGANIZATIONS

Student organizations are an integral part of college life. These groups operate under the direction of the students with each organization having a faculty advisor or sponsor.

THE STUDENT SENATE. The governing body of the Associated Students of Fort Lewis A & M College acts on all matters pertaining to student government.

THE WESTERNERS' CLUB. The club sponsors social and western dances and is open to all students interested in activities of a western nature.

THE DRAMATICS CLUB. Club members give plays throughout the year. Participants not only develop their acting ability but also learn principles of costuming, stage design and make-up.

THE COLLEGE BAND. The Band is open to all students who are interested and sufficiently advanced in any band instrument. The Band makes several public appearances during the school year.

THE CHORUS is open to all interested students. The group makes a tour of the San Juan Basin and gives frequent programs throughout the school year.

THE G. I. CLUB is a service club which is open to all former members of the armed services.

LETTERMAN'S CLUB. The "A" Club is open to all students who are eligible to receive letters through participation in intercollegiate athletics.

THE PEP CLUB is for women of the Associated student body. The drill team is an inner organization of the Pep Club.

THE SKI CLUB is open to all students interested in skiing.

THE INTERCOLLEGIATE KNIGHTS is a service club dedicated to continuing service to the College.

THE RADIO CLUB is designed for students interested in radio. The club operates the campus radio station KFLC.

THE SHALAKO INDIAN CLUB provides the Indian student with a "home away from home" and helps him integrate into college life.

PHI BETA LAMBDA is the business student's honorary fraternity. In addition to its concern for business matters it also acts as a College service organization

THE FOLK SONG AND BALLAD CLUB presents musical programs.

STUDENT PUBLICATIONS

Students publish a weekly newspaper and the yearbook. Policy for the publications is set by the Advisory Board on Student Publications.

STUDENT HOUSING

Fort Lewis A & M College recognizes that the housing of its students is a vital part of their total educational development. On this beautiful college campus are seven two-story, glass and natural stone buildings in which students are housed. In addition, there are several attractive one and two-bedroom apartments for married students and their families. All of these housing units are centrally located on the campus, as is the Student Center Dining Hall which provides wholesome meals for boarding students.

For Information

For information concerning admission, write:

Director of Admissions and Records

For Information on scholarships, grants, and loans, write:

Chairman, Student Financial Aids Committee

For information on housing, write:

Director of Housing

For information on specific programs of study, write:

Division Chairman of your area of interest

For general information about summer months programs and adult education, write:

Director of Adult Education or Office of Admission and Records

For general information about the College, write:

Director of Information and Services

**The address for all offices is: Fort Lewis A & M College,
College Heights, Durango, Colorado. The telephone number is
Durango, Colorado, 247-3390.**

Trimester Academic Calendar

1963 - 1964

FALL TRIMESTER

Sept. 4	Freshman Housing Testing
Sept. 5	Freshman orientation - Upperclassmen housing
Sept. 6	Registration
Sept. 7	Classes begin
Nov. 27-29	Thanksgiving Holiday
Dec. 18-21	Final examination period

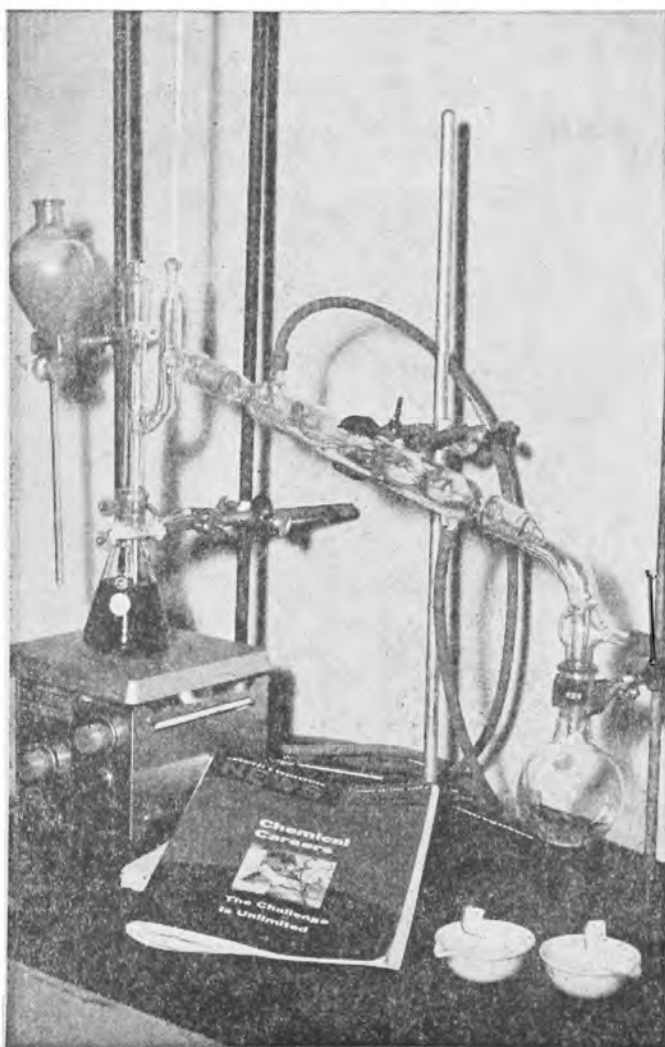
WINTER TRIMESTER

Jan. 6	Registration
Jan. 7	Classes begin
March 23-27	Easter Holiday
April 19	Commencement
April 21-24	Final examination period

SPRING TRIMESTER

May 4	Registration
May 5	Classes begin
June 22	Registration for concentrated, Mid-Trimester Session
Aug. 11-14	Final examination period

*Division of Physical Science,
Mathematics, and Engineering*



FORT LEWIS ~~A & M~~ COLLEGE
DURANGO, COLORADO

The State Board of Agriculture has established new tuition rates for Fort Lewis College effective for the fall term of 1964 as follows:

In-state student----- \$100 TUITION COST PER TRIMESTER
Out-of-state student----- \$225

Fort Lewis College has received preliminary accreditation from the North Central Association of Colleges and Secondary Schools. The State Department of Education has approved the Fort Lewis College programs in the preparation of elementary and secondary school teachers.

BUSINESS BULLETIN

Accounting
Business Administration
Business Education
Managerial-Economics
Secretarial Science

BIOLOGICAL SCIENCE BULLETIN

Biological Science
Pre-Forestry
Pre-Veterinary Medicine
Range & Game Management
Pre-Agriculture
Pre-Medical Technology
Industrial Arts

EDUCATION BULLETIN

Elementary Education
Secondary Education
Psychology
Physical Education

PHYSICAL SCIENCE BULLETIN

Physical Sciences-Physics
Chemistry
Pre-Engineering
Geology
Mathematics

HUMANITIES BULLETIN

English
History (Social Studies)
Music
Art
Literature
Philosophy
Foreign Languages

The liberal arts core courses are listed in each bulletin.

Fort Lewis as a Liberal Arts College offers courses which provide the proper professional education for students wishing to pursue careers in law, medicine, dentistry, nursing, and other professional areas.

The Division of Physical Science, Mathematics, and Engineering

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*(Engineer Mountain, one of the many towering mountain peaks
in southwest Colorado, is shown at the end of the bulletin.)*

ADMISSIONS POLICY

Admission of first-time college students

1. Graduation from an accredited high school with a minimum of 15 secondary school units (grades 9-12).
2. Of the fifteen units required, three must be in English and seven must be chosen from the following academic fields: foreign languages, mathematics, science, social studies, and English.
3. Applicants should take the American College Test (ACT) as part of the admission procedure and have the scores sent to Fort Lewis A & M College. High school counselors have the registration forms and directions concerning this test.
4. Rank in the upper two-thirds of the graduating class with high school recommendation. Applicants who rank in the lowest one-third of their high school class may be given qualified admission on the basis of the American College Test, recommendation of high school counselor or principal and supplemental information.
5. Graduates of high schools not accredited will be examined for admission purposes, including the results of the American College Test.

Admission of adults and veterans

The College retains the prerogative of admitting individuals who by reason of experience are, in the institution's judgment, qualified for admission.

Admission of transfer students

Applicants with a cumulative scholastic average of "C" and honorable dismissal from other colleges and universities may be admitted to Fort Lewis A & M College. Their status is tentatively determined by the quantity and quality of the work completed at the institution from which they come.

(Any questions about admissions not answered here should be addressed to the Director of Admissions and Records, Fort Lewis A & M College, College Heights, Durango, Colorado.)

COSTS*

IN-STATE STUDENTS

	1st Trimester	2nd Trimester	3rd Trimester
Tuition	\$ 55	\$ 55	\$ 55
Student Fees	77	32	32
Board (20 meals a week)	230	230	230
Room	130**	130**	130**

OUT-OF-STATE STUDENTS

Tuition—\$175 per trimester. Other costs are the same.

Married student apartments rent for \$65 and \$70 a month. For further information on housing, write to the Housing Office.

(Inquiries about student financial aids should be addressed to the Chairman, Student Financial Aids Committee. Questions about part-time employment should be directed to the Dean of Students.)

*These costs do not include deposits, expenses for books and supplies, and special laboratory fees.

**New women's residence hall is \$140 per term.

The State Board of Agriculture reserves the right to change the schedule of tuition and fees at any time.

PROGRAMS IN THE DIVISION

The programs in the Division have been planned to give the student a broad background in science. They are designed to meet the requirements of (1) students wishing to further their educations in graduate schools of science, (2) students desiring sound preparation for secondary school teaching, (3) students who will seek employment in scientific fields, industry, governmental work, and (4) students preparing for careers in medical fields or engineering. The physical sciences at Fort Lewis A & M College are chemistry, geology, and physics. Studies in the Division of Physical Science, Mathematics, and Engineering lead to the Bachelor's degree with a major in Physical Science or Mathematics. The College requirement for a major is normally 32 semester hours in a given area.

The Division is interested in the development and maturing processes of each individual student. Every attempt is made to tailor the program of study to fit the student and his needs. The subject matter is not presented merely as blocks of knowledge or useful techniques; it is intended to encourage the student to develop qualities of independent thinking, moral responsibility, sensitiveness to beauty, and intellectual curiosity.

GRADE REQUIREMENTS FOR GRADUATION

While superior performance is generally expected in the major field, a grade average of 2.0 (C) in the major will usually qualify a student for graduation.

PHYSICAL SCIENCE MAJOR

The student who majors in Physical Science graduates with the Bachelor of Science degree. One may choose between two options to obtain a major in Physical Science: (1) the Physical Science Option, in which the student distributes his major studies between two physical sciences, and (2) the Chemistry Option, in which he earns 32 credit hours in chemistry.

Many opportunities exist in industry, education, and Civil Service for people possessing broad, liberal scientific backgrounds. The Physical Science Option offers the student a broad background in physical science in the environment of a fine liberal arts tradi-

tion. The student may arrange a concentration of courses consisting of not less than 18 credit hours selected from any one of the three physical science fields. To this he must add sufficient hours in another physical science to bring the total to at least 32 credit hours.

Students preparing to teach science at the junior or senior high school levels will find that this distribution of emphasis gives them a good general basis for their work. Three hours of U. S. history and the required education courses, as shown at the end of this bulletin, must also be taken by the prospective teacher.

The Chemistry Option is designed to give the student a firm foundation in chemistry and the liberal arts. The student pursuing this program can prepare himself for (1) graduate work in chemistry; (2) work with governmental agencies; (3) teaching chemistry at secondary school levels; (4) positions as chemists or technicians in industry and research.

The student who selects the Chemistry Option may choose between two programs.

1. He may fulfill the requirements for the Bachelor of Science degree as outlined herein. General Chemistry (C-116) or Inorganic Chemistry (C-148) is required for all chemistry major and minor programs. Approximately 20 semester hours of electives will be devoted to studies outside the Division. Students preparing to teach in secondary schools must successfully complete 3 semester hours of U. S. history as well as the required education courses listed at the back of this bulletin.
2. He may wish to prepare for graduate studies in chemistry, in which case he should take additional chemistry courses recommended by the American Chemical Society. Those courses are: Organic Chemistry (C-232), Physical Chemistry (C-322), Instrumental Analysis (C-352), two trimesters of any chemistry course bearing a 300 number other than C-322 and C-352. He will be required to devote all of his electives to studies outside the realm of the physical sciences.

Upon completing the major and other College requirements, the student becomes a candidate for the Bachelor of Science degree.

REQUIREMENTS FOR THE PHYSICAL SCIENCE OPTION

	Credit Hours
Common liberal arts requirements.....	37-39
Mathematics through M-122 College Mathematics	10
Two trimesters of foreign language (French or German)	8
Sufficient elective courses and special required courses in the physical sciences to bring total credit hours to	132

Special Physical Science Requirements for the Physical Science Option

C-109 General Chemistry or C-115 General Chemistry	5
C-116 General Chemistry	5
*C-141 Principles of Chemistry and Physics	5
*C-142 Principles of Chemistry and Physics	5
*C-148 Inorganic Chemistry	5
Physics	4-8
G-113 Physical Geology	4
G-114 Historical Geology	4

From the list below, select enough courses in one field (chemistry, geology, or physics) to bring the total number of credit hours to at least 18 when added to those taken in the same field in the special physical science requirements. Select enough courses in a second field to bring the *total* number of credit hours in the two selected fields combined to 32.

	Credit Hours
Chemistry	
C-191 Quantitative Analysis	4
C-231 Organic Chemistry	5
C-258 Physical Chemistry	5
Geology	
G-207 Mineralogy	4
G-208 Petrology	4
G-233 Introductory Paleontology	4
Physics	
Ph-254 Theoretical Mechanics	3
Ph-261 Principles of Electricity and Magnetism	5
Ph-270 Heat & Thermodynamics	3

*Offered in place of C-115, C-116, Ph-215, and Ph-216 beginning in May, 1964.

PHYSICAL SCIENCE MAJOR

Concentration In Chemistry And Geology

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Gen. Chem. 109 or 115 5	Gen. Chem. 116 5	Chem. electives 4-5
or	or	Geology elective 4
Principles of Chem. & Physics 141 5	Principles of Chem. & Physics 142 5	Physical Activity 103 1
or	or	
Phys. Geology 113 4	Hist. Geology 114 4	
Math. 108 or 121 5	Math. 121 or 122 5	
Physical Activity 101 1	Physical Activity 102 1	

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Gen. Physics 201 4	Gen. Physics 202 4	**Foreign language 4
*Electives 9	Electives 9	Electives 9

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
**Foreign language 4	Seminar 396 2
Electives 9	or
	Ind. Study 399 1-3
	Electives 11

*Students preparing to teach are required to take at least 3 hours of U. S. history as well as approved education courses.

**Two trimesters of either French or German.

PHYSICAL SCIENCE MAJOR

Concentration In Chemistry And Physics

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 103 3	Fund. of Speech 121 3
Chem. 109 or 115 5	Chemistry 116 5	*Electives 4
or	or	Calculus 231 5
Principles of Chem. & Physics 141 5	Principles of Chem. & Physics 142 5	Physical Activity 1
College Math. 121 5	College Math 122 5	
Physical Activity 1	Physical Activity 1	

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Chem. Electives 4-5	Physics 216 4	Physics Electives 3-5
Calculus 232 5	*Electives 9	Electives 4-6
Physics 215 4		**Foreign language 4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Physics Elective 3-5	Seminar 396 2
Foreign language 4	or
Electives 4-6	Ind. Study 399 1-3
	Electives 11

*Students preparing to teach must elect 3 hours of U. S. history as well as approved education courses.

**Two trimesters of either French or German.

PHYSICAL SCIENCE MAJOR

Concentration In Geology And Physics

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Physical Geology 113 4	Hist. Geology 114 4	*Elective 4
or	or	Calculus 231 5
Principles of Chem. & Physics 141 5	Principles of Chem. & Physics 142 5	Physical Activity 1
College Math. 121 5	College Math. 122 5	
Physical Activity 1	Physical Activity 1	

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Elective 4	Physics 216 4	**Foreign language 4
Physics 215 4	Electives 9	Electives 9
Calculus 232 5		

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Foreign language 4	Seminar 396 2
Electives 9	or
	Ind. Study 399 1-3
	Electives 11

REQUIREMENTS FOR THE CHEMISTRY OPTION

	Credit Hours
Common liberal arts requirements	37-39
Mathematics through M-232 Calculus	20
Two trimesters of foreign language (French or German)	8

Special Physical Science Requirements for the Chemistry Option

C-109 General Chemistry or C-115 General Chemistry	5
C-116 General Chemistry	5
‡C-141 Principles of Chemistry and Physics	5
‡C-142 Principles of Chemistry and Physics	5
‡C-148 Inorganic Chemistry	8
Chemistry electives	5
Physics	8
Electives	27

*The student is advised to complete his special physical science requirements (see p. 6) as soon as possible.

†Students preparing to teach must take 3 hours of U. S. history as well as approved education courses.

**Two trimesters of either French or German.

‡Offered in place of C-115, C-116, Ph-215, and Ph-216 beginning in 1964.

PHYSICAL SCIENCE MAJOR

Concentration In Chemistry

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Gen. Chemistry 115 5	Gen. Chemistry 116 5	Quant. Analysis 191 4
or	or	or
Principles of Chem. & Physics 141 5	Principles of Chem. & Physics 142 5	Inorganic Chem. 148 5
College Math. 121 5	College Math. 122 5	Calculus 231 5
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Organic Chemistry 231 5	Physical Chem. 258 4	*Chem. electives 4-5
or	or	**Foreign language 4
Quan. Analysis 191 5	Organic Chem. 231 or	†Electives 4-5
Calculus 232 5	232 5	
Physics 215 4	Physics 216 4	
or	Electives 4	
Physics 217 4		

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Seminar 396 2	Electives 13
or	
Ind. Study 399 1-3	
Foreign language 4	
Chem. electives 3-5	
Electives 2-5	

*C-258, Physical Chemistry, must be taken if C-232 was elected in the previous trimester.

**Two trimesters of either French or German.

†Electives, unless otherwise specified, will normally be courses from outside the Division of Physical Science, Engineering, and Mathematics. Students preparing to teach will elect 21 hours of appropriate education courses and 3 hours of U. S. history. Students preparing to enter graduate schools should substitute the chemistry courses suggested in item 2, p.4.

MATHEMATICS MAJOR

In recent years mathematics has made great strides into new concepts. Also both military and peacetime technology have made great demand for more mathematicians. The once wide gap between the advanced theories of mathematics and their applications in science and engineering is closing rapidly, so that mathematicians who can interpret, aid, or advise many other fields such as science, engineering, and economics are widely sought. Mathematicians are in demand as teachers.

The student who completes the Mathematics major can apply his knowledge as suggested above. He is also prepared to enter graduate schools of mathematics.

REQUIREMENTS FOR THE MATHEMATICS MAJOR

	Credit Hours
Common liberal arts requirements	37-39
Mathematics through Calculus 232	20
Mathematics courses bearing numbers above M-250	12
Electives	47-51

MATHEMATICS MAJOR

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
College Math. 121 5	College Math. 122 5	Calculus 231 5
Physical Activity 1	Physical Activity 1	Physical Activity 1
Elective 4	Elective 4	Elective 4

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Calculus 232 5	Approved math. course 4	Approved math. course 4
Electives 8	Electives 9	Electives 9

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Approved math. course 4	Electives 13
Seminar 396 2	
or	
Ind. Study 399 1-3	
Electives 6-8	

MINORS

The College requires a minimum of 18 hours for a minor in any field. There are two stipulations for minors in the Division of Physical Science, Mathematics, and Engineering: (1) A minor in chemistry must include General Chemistry (C-116) or Inorganic Chemistry (C-211), and (2) a minor in mathematics must include at least 8 semester hours of courses numbered above M-200.

Within the Division, these minors are offered: chemistry, engineering, geology, mathematics, and physics.

PRE-PROFESSIONAL STUDIES

MEDICAL TECHNOLOGY

Students preparing for careers in medical technology may study either chemistry, physical science, biological science (see the brochure of the Division of Biological Science), or any other field of study.

In general, the course involves three years of study applicable to a degree program, plus one year of clinical study. In Colorado, the clinical year may be spent in one of several hospitals, one or more of which is located in Colorado Springs, Denver, Greeley, and Pueblo. All but one of the hospitals require a minimum of three years in college as an entrance requirement. After the clinical year, the student must pass the Board of Registry test. Upon passing this examination, a certificate is issued certifying that the holder is a registered medical technologist.

The American Society of Medical Technologists points out that over 85% of the registered medical technologists (ASCP) hold *at least* a baccalaureate degree. They strongly advise students to obtain one. A broad, general education including English, social sciences, and humanities is considered the best preparation for employment in the medical technology field. The following subjects are required:

CHEMISTRY: A minimum of four trimesters (16 semester hours) of chemistry acceptable toward a major. This must include two trimesters of General Chemistry; Quantitative Analysis (at least one trimester) should be included. Other chemistry courses strongly advised: Organic Chemistry, Biochemistry, Physical Chemistry or any other chemistry courses acceptable in a chemistry major.

BIOLOGY: A minimum of four trimesters (16 semester hours) including two trimesters of General Biology or Zoology; other recommended courses: Anatomy and Physiology Genetics, Microbiology or other courses acceptable in a biology major.

PREMEDICAL, PRE-VETERINARY MEDICAL, PRE-DENTAL, AND PRE-NURSING STUDIES

Most medical schools require a baccalaureate degree as an entrance requirement. So do many schools of veterinary medicine and dentistry, but generally, nursing schools do not. Many students preparing for these professions specialize in chemistry or in biological science (see the brochure of the Division of Biological Science). But some major in totally different fields. The physical science requirements of students preparing for one of the medical or related fields can be met by the choice of appropriate courses in chemistry and physics.

PRE-ENGINEERING

The engineering curriculum provides the course work studied during the first two years of most engineering programs. Most engineering schools require students to have had Differential Equations (M-327) and three trimesters of physics before the beginning of their third year. The suggested curriculum allows the accomplishment of these requirements. The course can be revised to fit the needs of individual students.

Those who are qualified are urged to begin their study of mathematics with College Mathematics (M-122). Anyone who wishes to do so should consult his faculty advisor and arrange for an advanced placement examination by the mathematics faculty if necessary.

PRE-ENGINEERING

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester		Second Trimester		Third Trimester	
College Math. 121	5	College Math. 122	5	Calculus 231	5
Engin. Problems 103	1	Engin. Graphics 112	3	Statics 217	3
Engin. Graphics 111	3	Freshman English 104	3	Physics 215	4
Freshman English 103	3	General Chem. 116	5	Elem. Surveying 205	3
General Chem. 115	5	Physical Activity 102	1	Man & Soc. World 101	3
Physical Activity	1				

Middle Year

First Trimester		Second Trimester	
Calculus 232	5	Diff. Equations 327	4
Dynamics 221	3	Eng. Metallurgy 258	3
Physics 216	4	Physics 217	4
Strength of Mat. 245	3	Man & Pol. World 102	3
Adv. Surveying 206	3	Elective	3

DESCRIPTION OF COURSES

(For a more complete description of any course, consult the Director of Admissions and Records, Fort Lewis A & M College. The first figure in the parentheses refers to hours spent in lecture each week, the second to hours spent in the laboratory each week. The figure outside the parentheses refers to semester credit hours.)

CHEMISTRY

- C-109 General Chemistry (4-3)5
A course in the basic principles of chemistry for the beginner. It is recommended for students who have not had a year of either high school chemistry or physics. The ability to solve simple algebraic relationships is highly desirable for success in this course.
- C-115 General Chemistry (4-3)5
The fundamental principles of chemistry.
Prerequisites: High school physics (chemistry may be substituted for physics), two years of high school algebra, or permission of instructor.
- C-116 General Chemistry (3-6)5
A continuation of C-115. Students who progress well in C-109 may be admitted. The laboratory consists of studies of equilibrium and qualitative analysis.
Prerequisite: One trimester of college chemistry.
- C-141 Principles of Chemistry and Physics (4-3)5
A relatively elementary course integrating the field of chemistry and physics.
Prerequisites: Both high school chemistry and physics preferred, one and one-half years of high school algebra, or permission of instructor.
- C-142 Principles of Chemistry and Physics (4-3)5
A continuation of C-141.
Prerequisite. C-141 or one trimester each of college chemistry and physics. M-122 at least concurrently is advisable.

- C-148 Inorganic Chemistry (3-6)5
 Selected aspects of descriptive inorganic chemistry. Introduction to modern concepts of acids and bases, pH, equilibrium, and volatility.
 Laboratory consists of qualitative analysis.
 Prerequisite: C-142 or permission of instructor.
- C-191 Quantitative Analysis (2-6)4
 Quantitative analysis of simple and complex materials by classical chemical as well as simpler instrumental methods.
 Prerequisite: C-116 or equivalent.
- C-231 Organic Chemistry (3-6)5
 The simpler aliphatic and aromatic compounds, including a brief introduction to biochemistry. This course may be taken by students who have successfully completed one trimester or the equivalent of college chemistry. However, it is preferred that two trimesters of chemistry be completed before taking this course.
 Prerequisite: C-109 or C-116 or C-148.
- C-232 Organic Chemistry (3-6)5
 A continuation of C-231. More complex substances are studied with considerable emphasis on mechanisms.
 Prerequisite: C-231.
- C-241 Biochemistry (4-3)5
 The fundamental concepts of biochemistry.
 Prerequisite: C-231.
- C-250 Elementary Physical Chemistry (3-3)4
 A one trimester course covering some of the more pertinent aspects of physical chemistry for students of biological science and liberal arts.
 Not open to physical science majors for credit.
 Prerequisites: C-116, C-148, and Ph-202.
- C-258 Physical Chemistry (3-3)4
 Modern concepts of matter, fundamentals of thermodynamics, and thermochemistry.
 Prerequisites: C-191 and Ph-216. Ph-217 is highly recommended.

- C-322 Physical Chemistry (3-3) 4
A continuation of C-258 including topics in chemical equilibrium, kinetics, electrochemistry, and selected subjects.
Prerequisite: C-258.
- C-344 Advanced Organic Chemistry (3-0) 3
A course involving types of chemical bonding, resonance, mechanisms, hydrogen bonding, free radicals, and selected topics.
Prerequisites: C-232 and C-258, or permission of instructor.
- C-352 Instrumental Analysis (2-6) 4
Modern theory and practice of analysis by instrumental means.
Prerequisites: C-191 and C-322.
- C-364 Organic Qualitative Analysis (2-6) 5
A course in the identification of organic compounds. The student is called upon to make complete use of all of the theory and practice of organic chemistry at his command. More theoretical organic chemistry is introduced.
Prerequisite: C-232.
- C-365 Advanced Inorganic Chemistry (3-0) 3
A course in the modern structural concepts, reaction chemistry involving modern interpretations, and reaction mechanisms. The periodic relationships of both theoretical and descriptive approaches to the subject matter are employed.
Prerequisite: C-258 or permission of instructor.

ENGINEERING

- E-103 Engineering Problems (2-0) 1
Orientation and introduction to engineering and engineering problem solving.
- E-111 Engineering Graphics (2-4) 3
A course in engineering drafting techniques.
- E-112 Engineering Graphics (2-4) 3
Continuation of E-111. Involves advanced principles of descriptive geometry and graphic solution of engineering problems.
Prerequisite: E-111.
- E-205 Elementary Surveying (2-4) 3
Introduction to use of surveying equipment and solution of fundamental surveying problems.
Prerequisite: M-108 or M-121.
- E-206 Advanced Surveying (2-4) 3
General surveying, astronomical observations, topographic surveys, and their field applications.
Prerequisite: E-205.
- E-217 Statics (3-0) 3
Composition and resolution of forces, equilibrium of force systems.
Prerequisite: M-231 must at least be taken concurrently.
- E-221 Dynamics (3-0) 3
The mechanics of bodies in motion and the resulting effects of force, motion, and acceleration.
Prerequisite: E-217.
- E-245 Strength of Materials (4-0) 4
Determination of strength, stresses, deformations, and other properties of engineering materials.
Prerequisite: E-217.
- E-258 Introduction to Engineering Metallurgy (2-3) 3
Properties of metals and alloys related to structure; elementary physics of engineering materials.
Prerequisite: C-116 or C-122.

GEOLOGY

- G-113 Physical Geology (3-3)4
Processes and agents at work on the earth and the land forms they produce.
- G-114 Historical Geology (3-3)4
Geologic history of the earth and development of life on the earth as recorded by rocks and fossils.
Prerequisite: G-113.
- G-207 Mineralogy (3-3)4
Elements of crystallography, classification and identification of minerals.
Prerequisite: G-113.
- G-208 Petrology (3-3)4
Origin, occurrences, and association of igneous, metamorphic, and sedimentary rocks.
Prerequisite: G-207.
- G-233 Economic Geology (3-3)4
Origin and distribution of ore minerals and rocks.
Prerequisite: G-208.
- G-333 Introductory Paleontology (3-3)4
Systematic study of fossils, primarily those used often in the identification and correlation of geologic formations.
Prerequisite: G-114.

LIBERAL ARTS

(LA-101 through LA-302 are the "core" courses which every student is expected to take.)

LA-101 Man and the Social World (3-0)3

College orientation and general psychology of a practical nature to help the entering student adjust to college life. The location of the major places of the world. An awareness and general knowledge of the human environment in which the citizen operates.

LA-102 Man and the Political World (3-0)3

A study of the form and operation of the federal government as a basis for intelligent citizenship. An analysis of the major forces in international relations.

LA-103 Man and World Civilization (3-0)3

Fundamental principles of economics with emphasis upon special problems in the field. Beginning the study of the history of world civilization.

LA-201 Man and World Civilization (3-0)3

A continuation of the study of the history of world civilization.

LA-211 Man and the Scientific World (3-0)3

Principles and natural laws explaining important scientific concepts. Energy and energy changes. Particle and wave motion. Chemical changes and familiar compounds. Nuclear concepts and atomic energy.

LA-212 Man and the Scientific World (3-0)3

Weather phenomena and weather prediction, origin of the earth and changes which it is undergoing. Diastrophism and erosion. Rocks and minerals. The solar system. Concepts of matter and space. Advent of life on the earth. Concepts of biology as based on characteristics of living matter.

LA-301 Man and His Cultural Heritage (3-0)3

A course devoted to the study of the expression of man as revealed in his art and music.

LA-302 Man and His Cultural Heritage (3-0)3

An examination of man's thought as evidenced in his religious, philosophical and literary works.

LA-396 Seminar (2-0)2

Students prepare and present a library research paper. Modern trends and literature are emphasized.

Prerequisites: Senior standing and permission of instructor.

LA-399 Independent Study (1 or 3-0) 1-3

Individual research conducted under the supervision of the major professor.

Prerequisite: Approval of Division Chairman.

MATHEMATICS

M-101 Fundamentals of Mathematics (4-0)4

Fundamental arithmetic and algebra, primarily for non-science majors.

M-108 College Algebra and Trigonometry (5-0)5

Algebra through quadratic equations; trigonometric functions, logarithms, and solution of triangles.

M-111 Elementary Statistics (3-0)3

Types and treatments of data, sampling theory, and inferences.

Prerequisite: M-108.

M-121 College Mathematics (5-0)5

Mathematical logic; algebraic operations and equations; trigonometric functions with applications.

Prerequisites: One and one-half years of high school algebra, one year of high school geometry, and satisfactory ACT or SAT score.

- M-122 College Mathematics (5-0)5
 Functions, analytic geometry, and introduction to calculus.
 Prerequisite: M-108 or M-121.
- M-231 Calculus (5-0)5
 Differential and integral calculus.
 Prerequisite: M-122.
- M-232 Calculus (5-0)5
 A continuation of M-231, including applications, partial differentiation, and introductory differential equations.
 Prerequisite: M-231.
- M-276 Higher Algebra (4-0)4
 Sets, complex number systems, algebraic structures, theory of numbers and equations, matrices, and determinants.
 Prerequisite: M-232.
- M-327 Differential Equations (4-0)4
 Types and solutions of differential equations.
 Prerequisite: M-232.
- M-332 Advanced Calculus (4-0)4
 Advanced theories and topics in calculus.
 Prerequisite: M-232.
- M-342 Modern College Geometry (4-0)4
 Advanced theories and topics in geometry.
 Prerequisite: M-232.
- M-341 Mathematical Statistics (4-0)4
 Statistical treatment and interpretation of data using the calculus approach.
 Prerequisite: M-232.
- M-388 Matrix Theory (4-0)4
 Matrix operations, relations, and functions.
 Prerequisite: M-232.

PHYSICS

- Ph-201 General Physics (3-3)4
A course in the fundamental principles of mechanics, heat, and sound for non-physical science majors.
Prerequisite: M-108.
- Ph-202 General Physics (3-3)4
A continuation of Ph-201. Includes fundamentals of electricity, light, and selected modern topics.
Prerequisite: Ph-201.
- Ph-215 Physics (3-3)4
Fundamental principles of mechanics, heat, and sound.
Prerequisite: M-232. (May be taken concurrently.)
- Ph-216 Physics (3-3)4
A continuation of Ph-215. A study of the fundamentals of light, magnetism, and electricity.
Prerequisite: Ph-215.
- Ph-217 Modern Physics (4-3)5
A continuation of Ph-216 and C-122. The course includes alternating current theory, electro-magnetic radiation, light phenomena, atomic and nuclear physics.
Prerequisite: C-122 or Ph-216.
- Ph-254 Theoretical Mechanics (3-0)3
A study of kinematics, statics, and dynamics of particles and rigid bodies.
Prerequisite: Ph-217.
- Ph-261 Principles of Electricity and Magnetism (4-3)5
The mathematical theory of electrical and magnetic phenomena.
Prerequisite: Ph-217.
- Ph-270 Heat and Thermodynamics (3-0)3
The concepts of temperature, heat, and changes of state.
Prerequisite: Ph-217.
- Ph-308 Electric Circuits (4-3)5
The principles and theories of circuit analysis, energy conversions, and pertinent equipment.
Prerequisite: Ph-261.

REQUIRED EDUCATION COURSES FOR THOSE WHO WISH TO TEACH

REQUIRED OF ALL TEACHER CANDIDATES

	Credit Hours
Education in America	3
Educational Psychology and Measurements	4

SPECIAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN SECONDARY SCHOOLS

Secondary Education	4
Methods of Teaching	2
Observation and Student Teaching in the Secondary School ..	8

SPECIAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN ELEMENTARY SCHOOLS

Language Arts in the Elementary School	3
Reading in the Elementary School	2
Arithmetic and Science in the Elementary School	4
Elementary Education	4
Elementary School Social Studies	2
Art in the Elementary School or Music in the Elementary School	3
Observation and Student Teaching in the Elementary School	8
Children's Literature	4
Approved mathematics course	4
General Psychology	3
Child and Adolescent Psychology	3
History of the Americas (two courses)	10
Additional hours in English	12
Additional hours in history	2





Fort Lewis A & M College

DURANGO, COLORADO

THE DIVISION OF HUMANITIES

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The photograph at the end of the Division of Humanities Bulletin is of students in front of the Raman A. Miller Memorial Student Center.

Issued, May, 1963

PROGRAMS IN THE DIVISION

The Division of Humanities at Fort Lewis A & M College serves as both an academic division, wherein courses of study are provided for three majors and a number of minors, and as a service organization — providing courses needed by students in other divisions.

The Division trains young people for a number of different careers, including: government service, the Foreign Service, teaching in elementary school, high school or college, journalism and writing, art, and social work, as well as providing the undergraduate requirements for entry to law school.

Fort Lewis A & M College is a coeducational, liberal arts college, operating year 'round under a trimester academic calendar. Each trimester is comparable in length to a semester, and the student who elects to go year 'round can be graduated in two and two-thirds calendar years. The student who does not wish to attend the third (spring) trimester completes the two terms in April. All students are expected to take the eight liberal arts "core" courses.

Descriptions of core courses will be found under the "Liberal Arts" heading near the back of this bulletin.

MAJORS AND MINORS WITHIN THE DIVISION OF HUMANITIES

The Division makes possible these majors: English, History, and Humanities. These minors are provided for: Art, English, French, History, and Music.

Thirty-two credit hours are customarily required for the major, eighteen credit hours for the minor. The Humanities major selects a primary area of concentration and two secondary areas of concentration from among art, history, literature and music, and thus is not required to study in a fourth area for a minor.

Suggested curriculum plans for the majors, and course requirements for majors and minors are shown on the pages that follow. Descriptions of many of the courses a Division of Humanities student will take will be found at the back of this bulletin.

ADMISSIONS POLICY

Admission of first-time college students

1. Graduation from an accredited high school with a minimum of 15 secondary school units (grades 9-12).

2. Of the fifteen units required, three must be in English and seven must be chosen from the following academic fields: foreign languages, mathematics, science, social studies, and English.

3. Applicants should take the American College Test (ACT) as part of the admission procedure and have the scores sent to Fort Lewis A & M College. High school counselors have the registration forms and directions concerning this test.

4. Rank in the upper two-thirds of the graduating class with high school recommendation. Applicants who rank in the lowest one-third of their high school class may be given qualified admission on the basis of the American College Test, recommendation of high school counselor or principal and supplemental information.

5. Graduates of high schools not accredited will be examined for admission purposes, including the results of the American College Test.

Admission of adults and veterans

The College retains the prerogative of admitting individuals who by reason of experience are, in the institution's judgment, qualified for admission.

Admission of transfer students

Applicants with a cumulative scholastic average of "C" and honorable dismissal from other colleges and universities may be admitted to Fort Lewis A & M College. Their status is tentatively determined by the quantity and quality of the work completed at the institution from which they come.

(Any questions about admissions not answered here should be addressed to the Director of Admissions and Records, Fort Lewis A & M College, College Heights, Durango, Colorado.)

COSTS*

IN-STATE STUDENTS	1st Trimester	2nd Trimester	3rd Trimester
Tuition	\$ 55	\$ 55	\$ 55
Student Fees	77	32	32
Board (20 meals a week)	230	230	230
Room	130**	130**	130**

OUT-OF-STATE STUDENTS

Tuition — \$175 per trimester. Other costs are the same.

For married students there are apartments for \$60 and \$65 a month. For further information on housing, write to the Housing Office.

(Inquiries about student financial aids should be addressed to the Chairman, Student Financial Aids Committee. Questions about part-time employment should be directed to the Dean of Students.)

* The above costs do not include deposits, the costs of books and supplies, and special laboratory fees.

** New women's residence hall is \$140 per term.

The State Board of Agriculture reserves the right to change the schedule of tuition and fees at any time.

ENGLISH MAJOR

The English major at Fort Lewis College is laid down on a broad base of the sciences and the humanities, including history, language, and the liberal arts in general. It is designed to provide the student with training and experience in evaluative reading, critical thinking, and clear self-expression. Consequently, the English major at Fort Lewis prepares the student for many fields of graduate and professional study, careers in writing and public relations, broadcasting, and industry.

Students desiring to teach will take the required education courses listed on page 25.

GRADUATION REQUIREMENTS—B.A. DEGREE— ENGLISH MAJOR

Credit Hours

Common liberal arts requirements	38
Two trimesters of mathematics or foreign language	8-9
	<hr/>
	46-47

English Requirements

Select 32 credit hours from the following:

EL-167 World Literature	4
EL-175 The Essay and Short Story	5
EL-200 The Bible as Literature	4
EL-204 Advanced Composition	3
EL-227 Children's Literature	4
EL-239 Development of the English and American Novel	5
EL-244 Survey of English Literature	5
EL-258 Dramatic Literature	5
EL-263 The Great Romantic Period in Literature	5
EL-320 Shakespeare	4
EL-331 History of the English Language	3
EL-340 Contemporary Literature	5
Electives (including a minor of 18 credit hours)	49-51
	<hr/>
Total	128

English Minor

A minor in English is provided for students who are not majoring in English.

English Minor Requirements: Select 18 credit hours from the following: EL-167, EL-175, EL-200, EL-204, EL-227, EL-239, EL-242, EL-258, EL-263, EL-320, EL-331, EL-340.

ENGLISH MAJOR

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
*Foreign language 4	World Literature 167 4	Essay and Short St.175 5
Physical Activity 101 1	*Foreign language 4	Physical Activity 103 1
Electives 5	Physical Activity 102 1	Electives 4

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Bible as Lit. 200 4	Survey of Eng. Lit. 244 5	Dev. of Novel 239 5
Advanced Comp. 204 3	*Mathematics 4-5	Dramatic Lit. 258 5
*Mathematics 4	Electives 4	Electives 4
Electives 3		

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Shakespeare 320 4	Contemp. Lit. 340 5
Hist. of Lang. 331 3	Seminar 396 or 2
Electives 6	Ind. Study 399 1-3
	Electives 3-6

Survey of English Literature and Advanced Composition are strongly recommended for all English majors. English majors planning to enter upon graduate study should also take History of the English Language and an additional year of foreign language.

A minor of 18 credit hours in a field other than English must be included in the electives.

* Students must select two courses in either mathematics or a foreign language.

HISTORY MAJOR

Fort Lewis A & M College offers a major in History. The area of history and social science is conceived as an important part of a liberal education. In addition, the courses should help to prepare students both for graduate work and for careers in many fields, including teaching, public service, and journalism.

Students are encouraged to pursue historical knowledge as an ordered set of carefully reached judgments with integrity and to illuminate the issues of the present and help provide standards by which to appraise the trends of the contemporary world.

Students desiring to teach will take the required education courses listed on page 25.

GRADUATION REQUIREMENTS—B.A. DEGREE— HISTORY MAJOR

	Credit Hours
Common liberal arts requirements	38
Two trimesters of mathematics or foreign language	8-9
	46-47
 History Requirements	
Select 32 credit hours from the following:	
SS-101 History of the Americas	5
SS-102 History of the Americas	5
SS-110 Ancient History	4
SS-210 History of the Middle Ages in Europe	3
SS-213 History of England	4
SS-224 History of the 20th Century	4
SS-232 Russia and Satellites	4
SS-275 From the Renaissance to 1900	3
SS-314 History of the Southwest	3
SS-320 The Near East and Africa	4
SS-328 Southern and Southeast Asia	4
Electives (including a minor of 18 credit hours)	48-49
Total	128

History Minor

A minor in History is provided for students who are not majoring in History.

History Minor Requirements: Select 18 credit hours from the following: SS-101, SS-102, SS-210, SS-213, SS-224, SS-232, SS-275, SS-314, SS-320, SS-328.

HISTORY MAJOR

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 2	Man & World Civ. 103 3
Hist. of the Ams. 101 5	Hist. of the Ams. 102 5	Fund. of Speech 121 3
Freshman English 103 3	Freshman English 104 3	Hist. of England 213 4
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
Electives 4	Electives 4	Electives 5

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Ancient Hist. 110 3	Hist. of 20th Century	Hist. of Middle
*Fund. of Math 101 4	U.S. & W. Europe 224 4	Ages 210 3
or	*Foreign language 4	Rus. & Satellites 232 4
*Foreign language 4	or	Electives 6
Electives 4	*Coll. Alg.-Trig. 108 5	
	Electives 4	

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301 3	Heritage 302 3
From the Renaissance	S. & E. Asia 328 4
to 1900 3	Seminar 396 or 2
Near E. & Africa 320 4	Ind. Study 399 1-3
Electives 7	Electives 7

A minor of 18 credit hours in a field other than history must be included in the electives.

* Students must select two courses in either mathematics or a foreign language.

HUMANITIES MAJOR

Fort Lewis A & M College offers an inter-disciplinary major in Humanities for the bachelor's degree. With a primary concentration of twenty hours in one area and with a secondary concentration of twelve hours each in two other areas, the student will receive a broad background in the liberal and fine arts. Such an organized program in the humanities affords a sound education for those contemplating careers in law or governmental service, for those planning to teach, for those preparing for advanced study at the graduate level, and for those who wish a sound cultural grounding for the bachelor's degree. The student is required to cross traditional subject matter areas to satisfy the requirements for the Humanities major; he will elect from the fields of history, music, art, and literature one area for primary concentration and two areas for secondary concentrations.

Students desiring to teach will take the required education courses listed on page 25.

GRADUATION REQUIREMENTS—B.A. DEGREE— HUMANITIES MAJOR

	Credit Hours
Common liberal arts requirements	38
Foreign language	14
Philosophy P-271	5
	<hr/>
Total.....	57

Humanities Requirements

Elect one primary field and two secondary fields from among art, history, literature, and music. The student must acquire twenty credit hours in the primary field and twelve hours each in two secondary fields. The secondary fields take the place of the ordinary minor.

Credit Hours

Primary Concentration:

If Music: Mu-131 Music Content, Mu-132 Music Content, Mu-211 Music Education, Mu-212 Music Education. The maximum credit allowable in band and chorus for the primary concentration in Music is three credit hours	20
If History or Literature: Any courses accepted toward major (or <u>minor</u>)	20
If Art: A-160 Two and Three Dimensional Design, A-170 Drawing, A-171 Drawing, A-220 Painting, A-350 Theory and Aesthetics	20

Secondary Concentration:

If Art: A-160 Two and Three Dimensional Design, A-170 Drawing, A-220 Painting	12
If History or Literature: Any courses accepted toward major (or minor)	12
If Music: Mu-131 Music Content, Mu-132 Music Content. The maximum credit allowable in band and chorus for the secondary concentration in music is three credit hours	12
	<hr/>
	44
Electives	27
	<hr/>
Total	128

Art Minor

For students majoring in other areas, a minor in Art is available. Requirements for the minor are: A-160 Two and Three Dimensional Design, A-170 Drawing, A-220 Painting, A-350 Theory and Aesthetics, plus one other studio course.

Music Minor

For students majoring in other areas, a minor in Music is available. Requirements for the minor are: Mu-131 Music Content, Mu-132 Music Content, Mu-211 Music Education, and Band or Chorus.

**HUMANITIES MAJOR—
PRIMARY CONCENTRATION—ART**

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
*Foreign language 4	*Foreign language 4	*Foreign language 3
Drawing 170 4	Drawing 171 4	2 & 3 Dim. Design 160 4
		Electives 3

Secondary Concentrations—History and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	World Lit. 167 4	Children's Lit. 227 4
Painting 220 4	Hist. of the Ams. 102 5	Hist. of England 213 4
App. history course 3	Electives 3	Electives 6
Electives 3		

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Theory & Aesthetics 350 4	Ind. Study 399 1-3
Shakespeare 320 4	Electives 4

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—History and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201	3 Man & Sci. World 211	3 Man & Sci. World 212
*Foreign language	3 Hist. of the Ams. 102	5 Hist. of England 213
Music Content 131	5 Painting 220	4 Band 110
App. history course	3 Music Content 132	5 or
Band 110	1 Band 110	1 Chorus 105
or	or	Electives
Chorus 105	1 Chorus 105	1
Electives	2	6

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301	Heritage 302
Philosophy 271	Seminar 396 or
Theory & Aesthetics 350	Ind. Study 399
Band 110	Electives
or	
Chorus 105	
Electives	

Secondary Concentrations—Literature and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201	3 Man & Sci. World 211	3 Man & Sci. World 212
*Foreign language	3 Painting 220	4 Children's Lit. 227
Music Content 131	5 World Literature 167	4 Band 110
Band 110	1 Music Content 132	5 or
or	1 Band 110	1 Chorus 105
Chorus 105	or	Electives
Electives	3 Chorus 105	1
		8

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301	Heritage 302
Philosophy 271	Seminar 396 or
Theory & Aesthetics 350	Ind. Study 399
Shakespeare 320	Electives
Band 110	
or	
Chorus 105	

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

HUMANITIES MAJOR—

PRIMARY CONCENTRATION—HISTORY

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
*Foreign language 4	*Foreign language 4	*Foreign language 3
Hist. of the Ams. 101 5	Hist. of the Ams. 102 5	Electives 5

Secondary Concentrations—Art and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man. & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	World Literature 167 4	2 & 3 Dim. Design 160 4
App. history course 3	Drawing 170 4	Children's Lit. 227 4
Electives 8	App. history course 3-4	App. history course 3-4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Shakespeare 320 4	Ind. Study 399 1-3
Painting 220 4	Electives 12

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—Art and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	App. history course 3-4	App. history course 3-4
Music Content 131 5	Music Content 132 5	Band 110 1
Band 110 1	Band 110 1	or
or	or	Chorus 105 1
Chorus 105 1	Chorus 105 1	2 & 3 Dim. Design 160 4
Electives 3	Drawing 170 4	Electives 3

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301 3	Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Band 110 1	Ind. Study 399 1-3
or	Electives 11
Chorus 105 1	
Painting 220 4	
Electives 3	

Secondary Concentrations—Literature and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Content 132 5	Band 110 1
Music Content 131 5	Band 110 1	or
Band 110 1	or	Chorus 105 1
or	Chorus 105 1	Children's Lit. 227 4
Chorus 105 1	App. history course 3-4	App. history course 3-4
App. history course 3	World Literature 167 4	Electives 3
Electives 2		

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301 3	Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Band 110 1	Ind. Study 399 1-3
or	Electives 11
Chorus 105 1	
Shakespeare 320 4	
Electives 2	

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

HUMANITIES MAJOR—

PRIMARY CONCENTRATION—LITERATURE

SUGGESTED CURRICULUM PLAN

(*Figures shown refer to semester hours of credit.*)

Freshman Year

First Trimester		Second Trimester		Third Trimester	
Man & Soc. World 101	3	Man & Pol. World 102	3	Man & World Civ. 103	3
Freshman English 103	3	Freshman English 104	3	Survey of Engl. Lit. 244	5
Physical Activity 101	1	Physical Activity 102	1	*Foreign language	3
*Foreign language	4	*Foreign language	4	Physical Activity 103	1
Fund. of Speech 121	3	World Literature 167	4	Electives	5
Electives	3				

Secondary Concentrations—History and Art

Middle Year

First Trimester		Second Trimester		Third Trimester	
Man & World Civ. 201	3	Man & Sci. World 211	3	Man & Sci. World 212	3
Bible as Lit. 200	4	2 & 3 Dim. Design 160	4	Hist. of England 213	4
*Foreign language	3	Hist. of the Ams. 102	4	Painting 220	4
Drawing 170	4	Shakespeare 320	4	App. history course	4

Senior Year

First Trimester		Second Trimester	
Man & His Cultural Heritage 301	3	Man & His Cultural Heritage 302	3
Philosophy 271	5	Seminar 396 or	2
Contemp. Lit. 340	5	Ind. Study 399	1-3
Electives	3	Electives	11

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—History and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Bible as Lit. 200 4	Hist. of the Ams. 102 4	Hist. of England 213 4
*Foreign language 3	Music Content 132 5	App. history course 4
Music Content 131 5	Shakespeare 320 4	Band 110 1
Band 110 1	Band 110 1	or
or	or	Chorus 105 1
Chorus 105 1	Chorus 105 1	Electives 4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Contemp. Lit. 340 5	Ind. Study 399 1-3
Electives 3	Electives 10

Secondary Concentrations—Art and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Bible as Lit. 200 4	Drawing 170 4	2 & 3 Dim. Design 160 4
*Foreign language 3	Music Content 132 5	Painting 220 4
Music Content 131 5	Shakespeare 320 4	Band 110 1
Band 110 1	Band 110 1	or
or	or	Chorus 105 1
Chorus 105 1	Chorus 105 1	Electives 4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Contemp. Lit. 340 5	Ind. Study 399 1-3
Electives 3	Electives 10

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

HUMANITIES MAJOR—

PRIMARY CONCENTRATION—MUSIC

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
*Foreign language 4	*Foreign language 4	*Foreign language 3
Music Content 131 5	Music Content 132 5	Electives 5
Band 110 1	Band 110 1	
or	or	
Chorus 105 1	Chorus 105 1	

Secondary Concentrations—Art and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Education 212 5	2 & 3 Dim. Design 160 4
Music Education 211 5	Band 110 1	Drawing 170 4
Band 110 1	or	Children's Lit. 227 4
or	Chorus 105 1	
Chorus 105 1	World Literature 167 4	
Shakespeare 320 4	Electives 3	

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Band 110 1
Band 110 1	or
or	Chorus 105 1
Chorus 105 1	Seminar 396 or 2
Painting 220 4	Ind. Study 399 1-3
Electives 3	Electives 10

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—Art and History

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Education 212 5	2 & 3 Dim. Design 160 4
Music Education 211 5	Band 110 1	Drawing 170 4
Band 110 1	or	Hist. of England 213 4
or	Chorus 105 1	
Chorus 105 1	Hist. of the Ams. 102 5	
Electives 4	Electives 3	

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Band 110 1
Band 110 1	or
or	Chorus 105 1
Chorus 105 1	Seminar 396 or 2
Painting 220 4	Ind. Study 399 1-3
App. history course 3	Electives 10

Secondary Concentrations—History and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Education 212 5	Children's Lit. 227 4
Music Education 211 5	Band 110 1	Hist. of England 213 4
Band 110 1	or	Electives 5
or	Chorus 105 1	
Chorus 105 1	Hist. of the Ams. 102 5	
Electives 3	Electives 3	

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Band 110 1	Band 110 1
or	or
Chorus 105 1	Chorus 105 1
App. history course 3	World Literature 167 4
Philosophy 271 5	Seminar 396 or 2
Shakespeare 320 4	Ind. Study 399 1-3
	Electives 5

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

DESCRIPTION OF COURSES

(The first figure in the parentheses refers to hours spent in lecture each week, the second to hours spent in the laboratory each week. The figure outside the parentheses refers to semester credit hours.)

ART

A-160 Two and Three Dimensional Design (0-6)4

A course dealing with two-dimensional design in collage form and bas-relief. It also consists of modeling in plastic material and carving and shaping more rigid and resistant materials such as wood, metal, and stone.

A-170 Drawing (0-6)4

Practice in problems of technique, perspective, color and design, and basics of composition. Subject-matter to deal with still life, landscape, animals and the human figures.

(Course work in this area offered at the beginning and advanced levels.)

A-171 Drawing (0-6)4

A continuation of A-170.

Prerequisite: A-170.

~~A-270~~

A-220 Painting (0-6)4

Instruction in oil painting. Students will concentrate on compositional and color problems while working from human figures, still life and landscape. (Course work in this area offered at the beginning and advanced levels.)

A-221 Painting (0-6)4

A continuation of A-220.

Prerequisite: A-220.

A-263 Advanced Studio (0-6)4

Special topics.

A-312 Art for Elementary Teachers (3-0)3

Contemporary and historical concepts, practices, and methods used in the elementary school art program.

A-350 Theory and Aesthetics (3-0)4

The appreciation and understanding of the various art forms.

A-363 Advanced Studio (0-6)4

Special topics.

ENGLISH

- EL-100 Developmental Reading (0-2)1
A course designed to increase the reading rate and comprehension level of any student.
- EL-103 Freshman English (3-0)3
Training in good usage in written and oral expression.
Prerequisite: Satisfactory score on ACT or a passing grade in Remedial English.
- EL-104 Freshman English (3-0)3
A continuation of EL-103 with emphasis on longer units of composition.
Prerequisite: EL-103.
- EL-110 Vocabulary Building (3-0)3
A course designed to stimulate growth in vocabulary.
Prerequisite: EL-103.
- EL-121 Fundamentals of Speech (3-0)3
Through closely supervised activities in various speech forms, the student develops skills in the organization and delivery of speeches.
- EL-167 World Literature (3-0)3
Selected works of non-English speaking peoples from ancient to modern times examined with attention to the predominant thoughts of diverse cultures.
Prerequisite: EL-103.
- EL-175 The Essay and Short Story (4-0)5
A study of the essay, short story, and other short prose writings.
Prerequisite: EL-104.
- EL-189 News Writing (2-3)3
A practical course in news writing, with emphasis on news gathering, interviewing and the writing of news stories for the weekly student newspaper.
- EL-200 The Bible as Literature (3-0)4
A study of the Bible as literature, and its influence on the art, music, and literature of the Western World.
- EL-204 Advanced Composition (3-0)3
Basic techniques of exposition and imaginative writing.
Prerequisite: EL-104 and permission of instructor.

- EL-208 **Advanced Journalism** (2-3)3
 Advanced news writing, editorial and feature writing, preparation of copy for newspaper campaigns, headline writing, and newspaper make-up are all stressed. Those registered for the course work on the weekly student newspaper.
- EL-212 **Advanced Public Speaking** (3-0)3
 A study designed to handle larger units of persuasive speech materials. Prerequisite: EL-121 and permission of instructor.
- EL-227 **Children's Literature** (3-0)4
 Folk literature, poetry, drama, and informational books for pre-school and elementary school children. Emphasis is placed upon the development of criteria for the selection of appropriate literature for children at different levels.
- EL-239 **Development of the English and American Novel** (4-0)5
 A course devoted to the history and development of the novel in English and American literature. Special emphasis is given to major writers and their contributions to the novel as a form of art. Prerequisite: EL-104.
- EL-244 **Survey of English Literature** (5-0)5
 A study of English literature from Beowulf through the nineteenth century.
- EL-258 **Dramatic Literature** (5-0)5
 A study and analysis of plays exclusive of Shakespeare. Prerequisite: EL-104.
- EL-263 **The Great Romantic Period in Literature** (5-0)5
 Prose and poetry of the Romantic era with particular emphasis upon the literary and philosophical doctrines in English and American writings. Prerequisite: EL-104.
- EL-320 **Shakespeare** (4-0)4
 A study of selected tragedies, histories, and comedies. Prerequisite: EL-104.
- EL-331 **History of the English Language** (3-0)3
 A study of the development of the English language from the Anglo-Saxon period to modern times.
- EL-340 **Contemporary Literature** (5-0)5
 Selected works representative of major trends in English and American literature of the late 19th and 20th centuries. Prerequisite: EL-104.

FOREIGN LANGUAGES

- FL-109 Introductory Latin (4-0)4
An introduction to the Latin language.
- FL-110 First-Year Latin (4-0)4
A continuation of FL-109.
Prerequisite: FL-109.
- FL-115 Elementary Spanish I (4-0)4
A course in grammar, prose composition, reading and conversation.
- FL-116 Elementary Spanish II (4-0)4
Further study of Spanish with emphasis on reading, composition and conversation.
Prerequisite: FL-115.
- FL-123 Elementary German I (4-0)4
A course in grammar, pronunciation and reading.
- FL-124 Elementary German II (4-0)4
Continuation of FL-123.
Prerequisite: FL-123.
- FL-147 Elementary French I (4-0)4
A course in grammar, prose composition, reading and conversation.
- FL-148 Elementary French II (4-0)4
Further study of French with emphasis on reading, composition and conversation.
Prerequisite: FL-147.
- FL-215 Intermediate Spanish I (3-0)3
A course in second-year Spanish with emphasis on reading and conversation.
Prerequisite: FL-116.
- FL-216 Intermediate Spanish II (3-0)3
Continuation of FL-215.
Prerequisite: FL-215.
- FL-223 Intermediate German I (3-0)3
A continuation of FL-124 with emphasis on reading and conversation.
Prerequisite: FL-124.
- FL-224 Intermediate German II (3-0)3
Continuation of FL-223.
Prerequisite: FL-223.
- FL-247 Intermediate French I (3-0)3
A course in second-year French with emphasis on reading and conversation.
Prerequisite: FL-148.
- FL-248 Intermediate French II (3-0)3
Continuation of FL-247.
Prerequisite: FL-247.
- FL-281 Third-year French (3-0)3
Masterpieces of French literature from LaChanson de Roland to 1715.
Prerequisite: FL-248 or permission of instructor.
- FL-282 Third-year French (3-0)3
Masterpieces of French literature from 1715 to 20th century.
Prerequisite: FL-281 or permission of instructor.

LIBERAL ARTS

(LA-101 through LA-302 are the "core" courses which every student is expected to take.)

- LA-101 Man and the Social World (3-0)3
College orientation and general psychology of a practical nature to help the entering student adjust to college life. The location of the major places of the world. An awareness and general knowledge of the human environment in which the citizen operates.
- LA-102 Man and the Political World (3-0)3
A study of the form and operation of the federal government as a basis for intelligent citizenship. An analysis of the major forces in international relations. A study of the personal financial affairs which every citizen should know.
- LA-103 Man and World Civilization (3-0)3
Fundamental principles of economics with emphasis upon special problems in the field. Beginning the study of the history of world civilization.
- LA-201 Man and World Civilization (3-0)3
A continuation of the study of the history of world civilization.
- LA-211 Man and the Scientific World (3-0)3
Principles and natural laws explaining important scientific concepts. Energy and energy changes. Particle and wave motion. Chemical changes and familiar compounds. Nuclear concepts and atomic energy.
- LA-212 Man and the Scientific World (3-0)3
Weather phenomena and weather prediction, origin of the earth and changes which it is undergoing. Diastrophism and erosion. Rocks and minerals. The solar system. Concepts of matter and space. Advent of life on the earth. Concepts of biology as based on characteristics of living matter.
- LA-301 Man and His Cultural Heritage (3-0)3
A course devoted to the study of the expression of man as revealed in his art and music.
- LA-302 Man and His Cultural Heritage (3-0)3
An examination of man's thought as evidenced in his religious, philosophical and literary works.
- LA-396 Seminar (2-0)2
Students prepare and present a library research paper. Modern trends and literature are emphasized.
Prerequisite: Senior standing and permission of instructor.
- LA-399 Independent Study (1 or 3-0)1-3
Individual research conducted under the supervision of the major professor.
Prerequisite: Approval of Division Chairman.

MUSIC

- Mu-105 Chorus** (0-3)1
Open to all students who can and wish to sing. This course may be repeated three times for credit up to a maximum of 3 credit hours.
Prerequisite: Approval of instructor.
- Mu-110 Band** (0-3)1
Open to all students who are proficient in playing a band instrument. This course may be repeated three times for credit up to a maximum of three credit hours.
Prerequisite: Approval of instructor.
- Mu-131 Music Content** (5-0)5
A correlated course including the study of music theory, ear training, sight singing, harmony, conducting, music history, counterpoint, and orchestration.
- Mu-132 Music Content** (5-0)5
A continuation of Mu-131.
Prerequisite: Mu-131.
- Mu-200 Applied Music** (0-½)1
Individual instruction for one-half hour per week and given by audition only.
- Mu-211 Music Education** (5-0)5
Includes the study of principles and practices in music education and a playing knowledge of all standard band and orchestral instruments.
Prerequisite: Mu-132.
- Mu-212 Music Education** (5-0)5
A continuation of Mu-211.
Prerequisite: Mu-211.
- Mu-316 Music in the Elementary School** (3-0)3
Methods and materials for the elementary school music program.

PHILOSOPHY

- P-271 Philosophy I** (5-0)5
Introduction to logic, semantics, and philosophical thinkings. Designed to develop the ability of critical analysis and to instill the incentive for reliable knowledge.
Prerequisite: Third trimester standing.
- P-272 Philosophy II** (4-0)4
Introduction to philosophical thought. Selected philosophical writing from the early Greeks to the present day.
Prerequisite: P-271.

SOCIAL SCIENCE

- SS-101 History of the Americas (5-0)5
History of Latin America, the history of Canada and the history of the U. S. not contained in the core course from colonial times to the 20th century.
- SS-102 History of the Americas (5-0)5
The republics of the Americas and their problems; inter-American diplomatic, economic, and cultural developments; and the place of Canada and Latin America in the world today.
- SS-110 Ancient History (4-0)4
The civilizations that developed in the Fertile Crescent, Egypt, Crete, Greece, and Rome with particular emphasis on how these have had an effect on Western civilization.
- SS-120 State and Local Government (3-0)3
A study of the history, nature, organization, and operation of state and local governments in the United States.
- SS-210 History of the Middle Ages in Europe (3-0)3
European history from 500 A.D. to the Renaissance.
- SS-213 History of England (4-0)4
Woven around the political experience of England will be emphasized the development of English **institutions**.
- SS-224 History of 20th Century United States and Western Europe (4-0)4
U.S. reaches world leadership; World War I, its causes and effects; the breakdown of collective security; development of dictatorship and crisis of democracy; genesis and consequences of World War II; European cooperation; NATO and the western alliances.
- SS-232 Russia and Satellites (4-0)4
The cultural, political, religious, economic, and social development of the Russian nation; the Communist Revolution; the economic and political philosophy of Communism; and the formerly independent states (particular emphasis on Poland, Czechoslovakia, and the Balkans) now under Communist control or domination (except China).
- SS-251 Introduction to Anthropology (3-0)3
A comprehensive study of general anthropology.
- SS-252 Principles of Anthropology (3-0)3
Ethnology and cultural anthropology emphasized, especially the theoretical problems connected with world languages and writing, the invention, growth, and spread of culture.

- SS-263 Introduction to Sociology (3-0)3**
 A study of culture and its relation to specific social problems.
- SS-271 World Geography (3-0)3**
 An introduction to world geography; physical and cultural regions; development of natural resources.
- SS-275 From the Renaissance to 1900 (3-0)3**
 A course covering the development of modern western civilization from the Renaissance to the beginning of the 20th century.
- SS-309 Elementary School Social Studies (2-0)2**
 Basic concepts related to effective citizenship in a democracy; the nature of critical thinking and group problem-solving; geographical and historical content appropriate to the elementary school. The core function of social studies, scope and sequence methods of instruction, materials and resources for learning.
- SS-314 History of the Southwest (3-0)3**
 A history of the Southwest to the present day. States considered are: Colorado, New Mexico, Arizona, California, Utah and Nevada.
- SS-320 The Near East and Africa (4-0)4**
 The cultural, political, religious, economic, and social development of the Arab nations and Israel; the impact of the colonial nations on the control of the economic resources and the highways of transportation; the British and French colonies; and the rise of Africa south of the Sahara.
- SS-328 Southern and Eastern Asia (4-0)4**
 A survey of the cultural, political, religious, economic, and social progress from the earliest times; the impact of the Western powers especially on Japan, China, and Korea. The newly developing states of Southeastern Asia, including Laos, Cambodia, Viet-Nam and Indonesia. The place and influence of Southeastern Asia in the world today.

REQUIRED EDUCATION COURSES FOR THOSE WHO WISH TO TEACH

REQUIRED OF ALL TEACHER CANDIDATES

	Credit Hours
Education in America	3
Educational Psychology and Measurements	4

ADDITIONAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN SECONDARY SCHOOLS

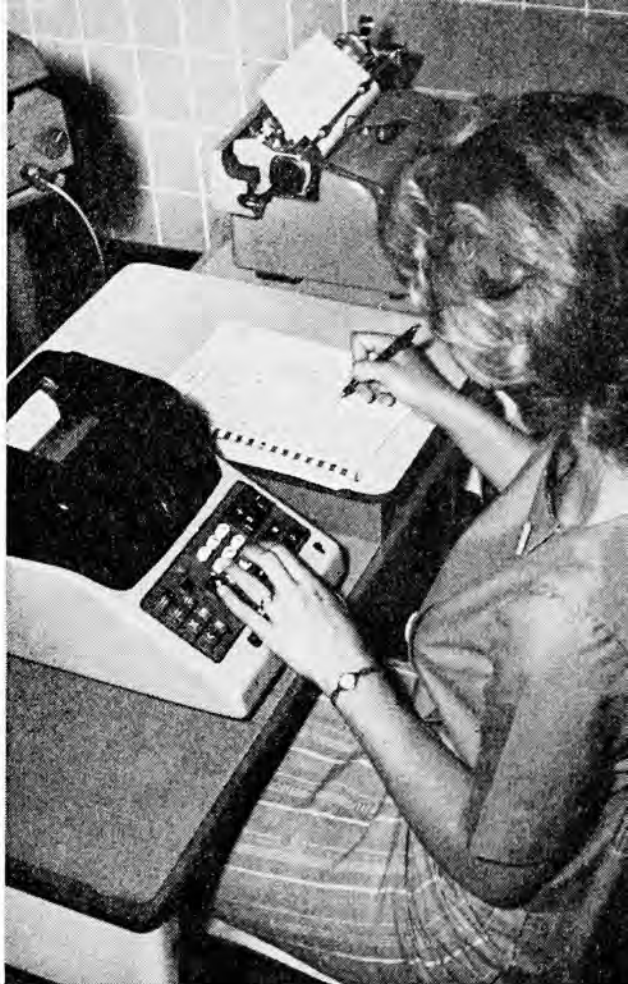
Secondary Education	4
Methods of Teaching	2
Observation and Student Teaching in the Secondary School	8

ADDITIONAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN ELEMENTARY SCHOOLS

Language Arts in the Elementary School	3
Reading in the Elementary School	2
Arithmetic and Science in the Elementary School	4
Elementary Education	4
Elementary School Social Studies	2
Art in the Elementary School or Music in the Elementary School	3
Observation and Student Teaching in the Elementary School ...	8
Children's Literature	4
Approved mathematics course	4
General Psychology	3
Child and Adolescent Psychology	3
History of the Americas (two courses)	10
Additional hours in English	12
Additional hours in history	2



DIVISION
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FORT LEWIS A & M COLLEGE

DURANGO, COLORADO

THE DIVISION OF BUSINESS

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The photograph at the end of this bulletin is of Alfred McNeil Camp Residence Hall, one of seven beautiful Fort Lewis College student residences.

PROGRAMS IN THE DIVISION

The Division of Business at Fort Lewis A & M College offers the student a unique opportunity to obtain a liberal arts background and, at the same time, to gain a thorough foundation in one of four business options—accounting, business education, general business administration, or managerial economics. Each one of the four option areas offers the student the latest in contemporary theory and practice. Ordinarily, approximately 128 credit (semester) hours is required for graduation. Suggested curriculum plans for the four business options are presented in this bulletin.

The Fort Lewis business student is especially fortunate in obtaining the balanced type of training that is a prerequisite for success in today's dynamic world of business enterprise. A student in the Division of Business may secure the necessary training (1) to enter graduate school, (2) to pursue his individual business ambitions, (3) to enter an established firm, (4) to enter government service, (5) to obtain professional recognition.

A student who wishes to study in business, but not make it his major area, may minor in accounting, economics, general business administration, or secretarial science. The requirements for these minors are shown in this bulletin.

There is a great demand for the fully trained secretary who has a liberal arts background. Fort Lewis offers a two-year program in secretarial science to fill this need. These students are graduated with the Associate of Arts degree. The suggested curriculum plan for secretarial science is shown in this bulletin.

Fort Lewis A & M College is a coeducational, liberal arts college operating year 'round under a trimester calendar. Each trimester is comparable in length to a semester, and the student who

elects to go year 'round can be graduated in two and two-thirds calendar years. The student who does not wish to attend the third (spring) trimester completes the equivalent of an academic year in April.

All students are expected to take eight liberal arts "core" courses, three hours of physical activity, nine hours in the areas of English and speech, and a departmental seminar or independent-study course. These "common liberal arts requirements" total 38 credit hours. Business majors are also required to take a course in general psychology and an appropriate mathematics course. Descriptions of core courses will be found under the "Liberal Arts" heading near the back of this bulletin.

The required education courses for those who wish to train to teach business courses in high school are listed at the back of this bulletin.

ADMISSIONS POLICY

Admission of first-time college students

1. Graduation from an accredited high school with a minimum of 15 secondary school units (grades 9-12).

2. Of the fifteen units required, three must be in English and seven must be chosen from the following academic fields: foreign languages, mathematics, science, social studies, and English.

3. Applicants should take the American College Test (ACT) as part of the admission procedure and have the scores sent to Fort Lewis A & M College. High school counselors have the registration forms and directions concerning this test.

4. Rank in the upper two-thirds of the graduating class with high school recommendation. Applicants who rank in the lowest one-third of their high school class may be given qualified admission on the basis of the American College Test, recommendation of high school counselor or principal and supplemental information.

5. Graduates of high schools not accredited will be examined for admission purposes, including the results of the American College Test.

Admission of adults and veterans

The College retains the prerogative of admitting individuals who by reason of experience are, in the institution's judgment, qualified for admission.

Admission of transfer students

Applicants with a cumulative scholastic average of "C" and honorable dismissal from other colleges and universities may be admitted to Fort Lewis A & M College. Their status is tentatively determined by the quantity and quality of the work completed at the institution from which they come.

(Any questions about admissions not answered here should be addressed to the Director of Admissions and Records, Fort Lewis A & M College, College Heights, Durango, Colorado.)

COSTS*

IN-STATE STUDENTS

	1st Trimester	2nd Trimester	3rd Trimester
Tuition	\$ 55	\$ 55	\$ 55
Student Fees	77	32	32
Board (20 meals a week)	230	230	230
Room	130**	130**	130**

OUT-OF-STATE STUDENTS

Tuition—\$175 per trimester. Other costs are the same.

Married student apartments rent for \$65 and \$70 a month. For further information on housing, write to the Housing Office.

(Inquiries about student financial aids should be addressed to the Chairman, Student Financial Aids Committee. Questions about part-time employment should be directed to the Dean of Students.)

*These costs do not include deposits, expenses for books and supplies, and special laboratory fees.

**New women's residence hall is \$140 per term.

The State Board of Agriculture reserves the right to change the schedule of tuition and fees at any time.

GRADUATION REQUIREMENTS— B. A. DEGREE

BUSINESS MAJOR

Requirements Common to All Business Majors Credit Hours

Common liberal arts requirements	38
Ps-211 General Psychology	3
Appropriate mathematics course	4
B-225 Principles of Accounting	4
B-226 Principles of Accounting	4
B-261 Principles of Economics.....	3
B-262 Principles of Economics	3
Electives (including a minor of 18 credit hours), approximately	55

Accounting Option Requirements

B-321 Intermediate Accounting	4
B-325 Cost Accounting	3
B-333 Advanced Accounting	4
B-334 Governmental and Institutional Accounting	3
B-336 Auditing—Theory and Practice	4

Choice of two of the following three:

B-330 Income Tax Accounting	3
B-332 Accounting Systems	2
B-338 C.P.A. Review	3

General Business Administration Option Requirements

B-201 Business Management	4
B-251 Business Statistics	4
B-305 Business Policies and Public Relations	3
B-340 Marketing	4
B-380 Corporation Finance	3

Choice of six hours from the following:

B-211 Business Law	3
B-301 Personnel and Labor Relations	4
B-319 Managerial Accounting	3
B-321 Intermediate Accounting	4
B-325 Cost Accounting	3
B-356 Intermediate Economic Theory and Analysis	3
B-361 Managerial Economics	3
B-365 Monetary Economics	3
B-367 Comparative Economic Systems	3
B-368 History of Economic Thought	3
B-370 Quantitative Methods Applications	3
B-382 Municipal Finance Administration	3
B-383 Investments	3
B-386 Insurance	3
B-389 Real Estate	3

Business Education Option Requirements

B-108	Advanced Typing	3
B-111	Elementary Gregg Shorthand	3
B-112	Advanced Shorthand	3
B-127	Transcription	5
B-131	Secretarial Procedure	4
B-144	Quantitative Business Techniques	2
B-308	Office Management	4
	Five courses in education, total hours	21

Managerial-Economics Option Requirements

B-319	Managerial Accounting	3
B-356	Intermediate Economic Theory and Analysis	3
B-361	Managerial Economics	3
B-365	Monetary Economics	3
B-370	Quantitative Methods Applications	3
B-380	Corporation Finance	3
B-251	Business Statistics	4
or		
M-111	Elementary Statistics	3

Choice of either of the following two:

B-367	Comparative Economic Systems	3
B-368	History of Economic Thought	3

General Business Administration and Business Education students are urged to take B-321 Intermediate Accounting, or B-319 Managerial Accounting.

Secretarial Science Requirements

B-108	Advanced Typing	3
B-111	Elementary Shorthand	3
B-112	Advanced Shorthand	3
B-121	Business Communications	3
B-127	Transcription	5
B-131	Secretarial Procedure	3
B-211	Business Law	3
B-144	Quantitative Business Techniques	2
B-225	Principles of Accounting	4
B-262	Principles of Economics	3

SUGGESTED CURRICULUM PLANS

BUSINESS MAJOR—ACCOUNTING OPTION

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Gen. Psychology 211 3
College Alg.—Trig. 108 5	Fund. of Speech 121 3	Prin. of Acct. 226 4
Physical Activity 101 1	Prin. of Acct. 225 4	Physical Activity 103 1
Electives 3	Physical Activity 102 1	Prin. of Econ. 261 3
	Electives 3	Electives 3

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Cost Accounting 325 3	Advanced Acct. 333 4	Auditing—Theory 4
Prin. of Economics 262 3	Income Tax Acct. 330 3	and Practice 336 4
Inter. Accounting 321 4	*Electives 6	**Electives 9
Electives 3		

Senior Year

First Trimester	Second Trimester
Man and His Cultural Heritage 301 3	Man and His Cultural Heritage 302 3
Gov. & Inst. Acct. 334 3	C.P.A. Review 338 3
Acct. Systems 332 2	Seminar 396 or 2
Electives 9	Ind. Study 399 1-3
	***Electives 6

*B-380 Corporation Finance is recommended.

**B-251 Business Statistics or B-356 Intermediate Economic Theory and Analysis are recommended.

***B-370 Quantitative Methods Applications is recommended.

BUSINESS MAJOR—BUSINESS EDUCATION

OPTION*

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Appropriate math. course 4-5	Adv. Shorthand 112 3	Transcription 127 5
Elem. Gregg Shorthand 111 3	Prin. of Acct. 225 4	Prin. of Acct. 226 4
Physical Activity 101 1	Adv. Typing 108 3	Physical Activity 103 1
	Physical Activity 102 1	

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Secretarial Proc. 131 4	Business Comm. 121 3	Electives 13
General Psych. 211 3	Quant. Bus. Tech. 144 2	
Prin. of Economics 261 3	Prin. of Economics 262 3	
Electives 4	Approved business course 3	
	Electives 2	

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Office Management 308 4	Seminar 396 or 2
Electives 9	Ind. Study 399 1-3
	Electives 10

*The student electing to study under the business education option will need to take five education courses, for a total of 21 credit hours.

BUSINESS MAJOR—GENERAL BUSINESS ADMINISTRATION OPTION

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Gen. Psychology 211 3
Appropriate math. course 4-5	Fund. of Speech 121 3	Prin. of Acct. 226 4
Physical Activity 101 1	Prin. of Acct. 225 4	Prin. of Economics 261 3
Electives 3	Physical Activity 102 1	Physical Activity 103 1
	Electives 3	Electives 6

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Prin. of Economics 262 3	Finance 380 3	Bus. Statistics 251 4
Bus. Management 201 4	Corp. Approved business course 3	Bus. Policies & Pub. Rel. 305 3
Electives 6	Electives 8	Electives 3

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Marketing 340 4	Seminar 396 or Ind. Study 399 1-3
Approved business course 3	Electives 9
Electives 6	

*B-356 Intermediate Economic Theory and Analysis is recommended.

BUSINESS MAJOR—MANAGERIAL-ECONOMICS OPTION

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Gen. Psychology 211 3
Appropriate math. course 4-5	Fund. of Speech 121 3	Prin. of Acct. 226 4
Physical Activity 101 1	Prin. of Acct. 225 4	Prin. of Economics 261 3
Electives 3	Physical Activity 102 1	Physical Activity 103 1
	Electives 3	Electives 6

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Prin. of Economics 262 3	Inter. Economics 356 3	Managerial Econ. 361 3
Managerial Acct. 319 3	Corp. Finance 380 3	Business Stat. 251 4
Electives 8	Electives 8	Electives 6

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Monetary Econ. 365 3	Quan. Meth. App. 370 3
Economics 367 or 368 3	Seminar 396 or 2
Electives 6	Ind. Study 399 1-3
	Electives 6

SECRETARIAL SCIENCE

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & World Civ. 103 3	*Liberal arts core 3
Freshman English 103 3	Freshman English 104 3	Bus. Comm. 121 3
Advanced Typing 108 3	Adv. Shorthand 112 3	Transcription 127 5
Elem. Shorthand 111 3	Prin. of Acct. 225 4	Prin. of Economics 262 3
Physical Activity 101 1	Physical Activity 102 1	Quan. Bus. Tech. 144 2
Electives 3		

Middle Year

First Trimester

*Liberal arts core	3
Business Law 211	3
Secretarial Proc. 131	4
**Electives	4

*It is recommended that one semester of LA-301 or LA-302 Man and His Cultural Heritage, and one semester of LA-211 or LA-212 Man and the Scientific World be selected.

**Recommended electives EL-110 Vocabulary Building, EL-121 Fundamentals of Speech, Ps-211 General Psychology.

DESCRIPTION OF COURSES

(The first figure in the parentheses refers to hours spent in lecture each week, the second to hours spent in the laboratory each week. The figure outside the parentheses refers to semester credit hours.)

ACCOUNTING

B-225 Principles of Accounting (3-2)4

The theory of double entry bookkeeping. Principles of the balance sheet and the income statement are considered along with the accounting cycle, accruals and apportionments, working papers, merchandise accounting and the voucher system. Corporate accounting is stressed.

B-226 Principles of Accounting (3-2)4

Inventory, manufacturing, and managerial accounting. Introduction to financial statement analysis, budgeting, mergers and consolidations.

Prerequisite: B-225.

B-319 Managerial Accounting (3-0)3

This course develops accounting in terms of its purposes—to derive a theory and practice of accounting for managerial needs for data which will aid in solving problems of planning and controlling enterprise operation.

Prerequisite: B-226.

B-321 Intermediate Accounting (3-2)4

Accounting theory and practice applicable to corporate net worth accounts, investments, reserves, and income. Accounting theory and practice applicable to current assets, fixed assets, liabilities, and sources and applications of funds.

Prerequisite: B-226.

B-325 Cost Accounting (3-0)3

Specialized accounting procedures applicable to job order and process cost manufacturing operations.

Prerequisite: B-226.

- B-330 Income Tax Accounting (3-0)3**
Preparation of income tax returns. Laws and applications.
Prerequisite: B-321.
- B-332 Accounting Systems (2-0)2**
A general inquiry into accounting systems in specific enterprises. Covers analytical problems in these enterprises and features internal control.
Prerequisite: Consent of instructor.
- B-333 Advanced Accounting (4-0)4**
Statement items; income measurement; changes in creditor and proprietary interests; consignments; branch offices; insolvency; estates; trusts; foreign exchange.
Prerequisite: B-321.
- B-334 Governmental and Institutional Accounting (3-0)3**
Fund accounting, budgetary accounts and control; accounting systems for governmental and institutional units.
Prerequisite: Consent of instructor.
- B-336 Auditing—Theory and Practice (4-0)4**
Functions of the independent public accountant; audit reports and opinions; account analysis; audit programs; working paper content and form, professional ethics; applications of accounting and auditing standards; SEC stock exchange regulations; investigations for purchase or financing; current literature.
Prerequisites: B-321 and consent of instructor.
- B-338 C.P.A. Review (3-0)3**
General advanced accounting problems of the type found on C.P.A. examinations are subjected to analysis. Accounting theory is applied and procedures for solution are rated.
Prerequisite: Consent of instructor.

BUSINESS, ECONOMICS AND SECRETARIAL SCIENCE

R-8 Elementary Typing (1-3)0

Mastery of the keyboard and development of speed and accuracy by the touch system. Upon successful completion of this course the student will have the necessary skills to be able to pass the typing qualification examination.

B-108 Advanced Typing (2-3)3

The development of skill in office production: Business letter forms, business forms, tabulation, stencils, and manuscripts. Use of electric machines.

Prerequisite: Qualification examination in typing.

B-111 Elementary Gregg Shorthand (2-3)3

The basic principles of reading and writing shorthand. Dictation of practiced material. Entrance into this course and B-112 is determined by an examination administered by the Business Division.

B-112 Advanced Shorthand (2-3)3

Dictation and transcription. Shorthand vocabulary building.

Prerequisite: See B-111, above.

B-121 Business Communications (3-0)3

A study of the form and composition of written communication in business. Includes composition of letters of inquiry, reply, application, sales, credit, adjustment, and collecton; telegrams, memos, business reports, and job application data sheets.

Prerequisites: Two trimesters of English and ability to type.

B-127 Transcription (3-6)5

Advanced dictation, speed building, and development of skill in shorthand and machine transcription.

Prerequisites: B-112 and ability to type.

- B-131 Secretarial Procedure (2-2)3**
 Basic secretarial principles and procedures, including filing procedure, mail and telephone techniques, duplicating machine use, receiving callers, business etiquette, and personal transportation.
 Prerequisites: B-112 and ability to type.
- B-144 Quantitative Business Techniques (1-3)2**
 The latest arithmetical techniques used in business and accounting. Stress is placed on applications. Includes a thorough instruction in the use of key-driven, rotary, and listing calculators; and the ten-key adding machine.
- B-201 Business Management (3-0)4**
 Fundamentals of the administration and organization of the firm. Human relations are stressed through outside readings and cases.
 Prerequisite: B-225 or concurrent registration.
- B-211 Business Law (3-0)3**
 Basic principles of law as applied to business transactions. Included is the law of contracts and sales, sales warranties, law of agency, negotiable instruments and personal property.
- B-251 Business Statistics (3-2)4**
 Collecting, tabulating, analyzing, presentation, and interpretation of business and economic statistical data. Correlation, both linear and multiple, time series analysis, index numbers, and statistical inference are described and used in practical business applications.
 Prerequisite: M-101.
- B-254 Mathematics of Finance (3-0)3**
 Simple interest, compound interest, equations of equivalence, simple and ordinary annuities, perpetuities, amortization and sinking funds, bonds and depreciation.
 Prerequisite: M.108.
- B-261 Principles of Economics (3-0)3**
 A course in economic life, institutions, and problems, stressing the national income approach; and also an introduction to demand, supply, and prices.

- B-262 Principles of Economics (3-0)3**
Price determination and income distribution in a capitalistic economy, investigation of current economic issues with particular emphasis on labor-management relations, agriculture, international trade, and government regulation of business.
Prerequisite: B-261.
- B-301 Personnel and Labor Relations (4-0)4**
Personnel selection, placement, training, promotion, wage incentives, absenteeism, and counselling. Includes a study of the development of the labor movement, collective bargaining, and labor economics.
Prerequisite: B-201.
- B-305 Business Policies and Public Relations (3-0)3**
The first part of the course concerns the firm and American institutions; its place in society, its responsibilities and duties. A study of the history and present impact of governmental regulation and activities as it affects the businessman. The course concludes with an analysis of the problems encountered by management in its daily operations. The case method is stressed.
Prerequisite: B-201 or concurrent registration.
- B-308 Office Management (3-0)4**
The principles of office management and the responsibilities of management for office services, office layout and space utilization, office furniture and equipment machines and appliances, branch office management, office personnel problems, training of office workers, office costs, and office methods and procedures. Individual research required.
Prerequisite: B-201.
- B-340 Marketing (4-0)4**
The first part of the course is devoted to a broad investigation of the channels of distribution with an emphasis on marketing functions, policies and costs. The course is concluded with an investigation of the marketing institutions, with special emphasis on retailing. The techniques of marketing research are also covered.
Prerequisites: B-262 and B-225 or concurrent registration.

B-356 Intermediate Economic Theory and Analysis (3-0)3

This course deals with the price system as it directs resources to more efficient use. It deals with pricing under the various degrees of competition and stresses demand analysis. The principles of production economics are explored.

Prerequisite: B-262.

B-361 Managerial Economics (3-0)3

This course bridges the gap between economic theory and business decision. Shows how to measure profits for management decisions; how to use demand analysis for improving sales forecasting, pricing, promotional planning, and new product development.

Prerequisite: B-262.

B-365 Monetary Economics (3-0)3

Money, monetary systems, control banking, monetary theory, and the functions of various financial institutions including commercial banks. Included is an historical, statistical, and analytical consideration of the business cycle using modern techniques of national income accounting.

Prerequisite: B-262.

B-367 Comparative Economic Systems (3-0)3

An analysis and comparison of capitalism, socialism and communism and a survey of the historical background in which these systems developed.

Prerequisite: Consent of instructor.

B-368 History of Economic Thought (3-0)3

An analysis of economic thought including Plato, Aristotle, Xenophon through mercantilist ideas; the classical tradition including Marx, the marginalist and opponents including Jevons, Menger, Marshall, Pareto, Weber, Veblin, et al.; contemporary economics including Keynes, Chamberlin, Clark and Schumpeter.

Prerequisite: Consent of instructor.

B-370 Quantitative Methods Applications (3-0)3

The application of quantitative methods to business and economic problems. The course will consider application of statistics, linear programming, input-output models, decision theory and game theory to problems in business and economics.

Prerequisite: Consent of instructor.

B-380 Corporation Finance (3-0)3

The financial structure of various types of business organizations, including sole proprietorships, partnerships, and corporations. Methods of securing and managing funds to meet short-and-long-term capital requirements.

Prerequisite: B-226 or concurrent registration.

B-382 Municipal Finance Administration (3-0)3

This course deals with modern fiscal management as it applies to municipal problems. The area of coverage is as follows: Budgetary accounting, reporting, tax assessment, long-term debt management, economic research and forecasting, and miscellaneous other fiscal functions.
Taught on demand.

B-383 Investments (3-0)3

Analysis of several theories of investment followed by an investigation and study of security markets. Corporate bonds and stock are stressed, however, federal and state bonds and private investment opportunities are also considered. Taught on demand.

B-386 Insurance (3-0)3

Coverages available, buying methods, and general procedures of operation of all types of insurance companies. Special emphasis on the analysis of the standard or more common forms of fire, marine, casualty, and life insurance contracts. Taught on demand.

B-389 Real Estate (3-0)3

The regulation, practices, legal aspects, and professional ethics of the real estate business. Some consideration is given to real estate appraisal techniques and theory. Taught on demand.

Prerequisite: B-211.

LIBERAL ARTS

(LA-101 through LA-302 are the "core" courses which every student is expected to take.)

LA-101 Man and the Social World (3-0)3

College orientation and general psychology of a practical nature to help the entering student adjust to college life. The location of the major places of the world. An awareness and general knowledge of the human environment in which the citizen operates.

LA-102 Man and the Political World (3-0)3

A study of the form and operation of the federal government as a basis for intelligent citizenship. An analysis of the major forces in international relations.

LA-103 Man and World Civilization (3-0)3

Fundamental principles of economics with emphasis upon special problems in the field. Beginning the study of the history of world civilization.

LA-201 Man and World Civilization (3-0)3

A continuation of the study of the history of world civilization.

LA-211 Man and the Scientific World (3-0)3

Principles and natural laws explaining important scientific concepts. Energy and energy changes. Particle and wave motion. Chemical changes and familiar compounds. Nuclear concepts and atomic energy.

LA-212 Man and the Scientific World (3-0)3

Weather phenomena and weather prediction, origin of the earth and changes which it is undergoing. Diastrophism and erosion. Rocks and minerals. The solar system. Concepts of matter and space. Advent of life on the earth. Concepts of biology as based on characteristics of living matter.

- LA-301 Man and His Cultural Heritage (3-0)3
A course devoted to the study of the expression of man as revealed in his art and music.
- LA-302 Man and His Cultural Heritage (3-0)3
An examination of man's thought as evidenced in his religious, philosophical and literary works.
- LA-396 Seminar (2-0)2
Students prepare and present a library research paper. Modern trends and literature are emphasized.
Prerequisites: Senior standing and permission of instructor.
- LA-399 Independent Study (1 or 3-0) 1-3
Individual research conducted under the supervision of the major professor.
Prerequisite: Approval of Division Chairman.

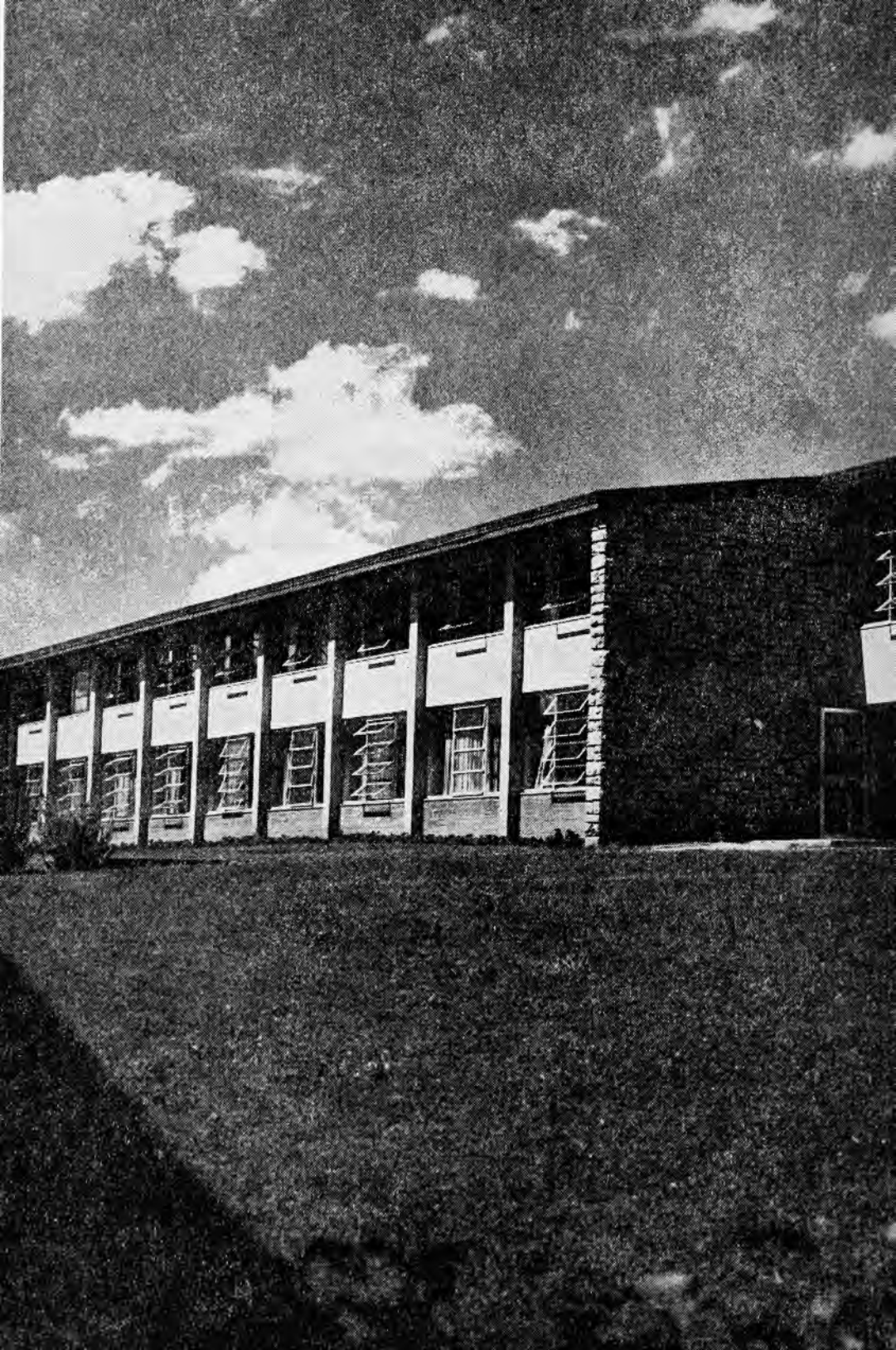
REQUIRED EDUCATION COURSES FOR THOSE WHO WISH TO TEACH

REQUIRED OF ALL TEACHER CANDIDATES

	Credit Hours
Education in America	3
Educational Psychology and Measurements	4

ADDITIONAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN SECONDARY SCHOOLS

Secondary Education	4
Methods of Teaching	2
Observation and Student Teaching in the Secondary School	8



*Division
of
Biological
Science*



Major in Biological Science



Programs in Pre-Agriculture,
Pre-Forestry, Pre-Veterinary Medicine,
Pre-Medicine, Pre-Medical Technology,
and Industrial Arts

FORT LEWIS A & M COLLEGE

DURANGO, COLORADO

THE DIVISION OF BIOLOGICAL SCIENCE

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*The photograph at the end of this bulletin is of "the Needles"
and Molas Lake, a recreation area a few miles north of Durango.*

PROGRAMS IN THE DIVISION

The Division of Biological Science at Fort Lewis A & M College offers curricula designed to fit the desires and requirements of many types of students. The one major offered is in biological science where three avenues of preparation are open to students: (1) preparation for graduate school; (2) training for a career in secondary education as an instructor of biological science; (3) and pre-professional training for such areas as medicine, medical technology, dentistry, and veterinary medicine.

Fort Lewis A & M College is a coeducational, liberal arts college, operating year 'round under a trimester academic calendar. Each trimester is comparable in length to a semester, and the student who elects to go year 'round can be graduated in two and two-thirds calendar years. The student who does not wish to attend the third (spring) trimester completes the two terms in April. All students are expected to take the eight liberal arts "core" courses.

Descriptions of core courses will be found under the "Liberal Arts" heading near the back of this bulletin.

MAJORS AND MINORS WITHIN THE DIVISION

In addition to the biological science major, two-year curricula are offered in agriculture, forestry, industrial arts and veterinary medicine. These curricula prepare the student for transfer to a school where a bachelor's degree is offered in these fields. The division feels that these pre-curricula are necessary as part of a service function, particularly for San Juan Basin students.

Minors are offered in agriculture, industrial arts and biological science.

All of the above is placed in the context of a liberal arts background. Essentially the liberal arts college attempts to give the student a broad basis of knowledge upon which to build his life. In addition, the student is trained well in his chosen area of endeavor.

The requirements for the major in biological science and for the various minors and two-year programs are shown in this bulletin. The suggested curriculum plans that follow show what typical students in various programs of study might take.

ADMISSIONS POLICY

Admission of first-time college students

1. Graduation from an accredited high school with a minimum of 15 secondary school units (grades 9-12).

2. Of the fifteen units required, three must be in English and seven must be chosen from the following academic fields: foreign languages, mathematics, science, social studies, and English.

3. Applicants should take the American College Test (ACT) as part of the admission procedure and have the scores sent to Fort Lewis A & M College. High school counselors have the registration forms and directions concerning this test.

4. Rank in the upper two-thirds of the graduating class with high school recommendation. Applicants who rank in the lowest one-third of their high school class may be given qualified admission on the basis of the American College Test, recommendation of high school counselor or principal and supplemental information.

5. Graduates of high schools not accredited will be examined for admission purposes, including the results of the American College Test.

Admission of adults and veterans

The College retains the prerogative of admitting individuals who by reason of experience are, in the institution's judgment, qualified for admission.

Admission of transfer students

Applicants with a cumulative scholastic average of "C" and honorable dismissal from other colleges and universities may be admitted to Fort Lewis A & M College. Their status is tentatively determined by the quantity and quality of the work completed at the institution from which they come.

(Any questions about admissions not answered here should be addressed to the Director of Admissions and Records, Fort Lewis A & M College, College Heights, Durango, Colorado.)

COSTS*

IN-STATE STUDENTS

	1st Trimester	2nd Trimester	3rd Trimester
Tuition	\$ 55	\$ 55	\$ 55
Student Fees	77	32	32
Board (20 meals a week)	230	230	230
Room	130**	130**	130**

OUT-OF-STATE STUDENTS

Tuition—\$175 per trimester. Other costs are the same.

Married student apartments rent for \$65 and \$70 a month. For further information on housing, write to the Housing Office.

(Inquiries about student financial aids should be addressed to the Chairman, Student Financial Aids Committee. Questions about part-time employment should be directed to the Dean of Students.)

*These costs do not include deposits, expenses for books and supplies, and special laboratory fees.

**New women's residence hall is \$140 per term.

The State Board of Agriculture reserves the right to change the schedule of tuition and fees at any time.

SUGGESTED CURRICULUM PLANS

BIOLOGICAL SCIENCE MAJOR

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Sci. World 211 3	Man & Sci. World 212 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Gen. Botany 101 4	Gen. Botany 102 4	Physical Activity 103 1
Physical Activity 101 1	Physical Activity 102 1	Coll. Alg.-Trig. 108 5
Electives 5	Electives 5	Electives 4

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 201 3
Gen. Chemistry 109 5	Elem. Organic Chemistry 110 5	Systematic Botany 105 4
Gen. Zoology 111 4	Gen. Zoology 112 4	Field Zoology 311 5
Electives 4	Electives 4	Electives 4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Electives 13	Seminar 396 or Ind. Study 399 1-3
	Electives 10-12

A minor of 18 credit hours in a field other than biological science must be included in the electives.

Biological Science Minor

A minor in biological science is provided for students majoring in other areas.

Biological Science Minor Requirements: BS-101 General Botany, BS-111 General Zoology, and 10 hours selected from other biological science courses.

PRE-AGRICULTURE

(*Figures shown in the columns refer to semester hours of credit.*)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	*Liberal Arts Core 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Range & Pasture Management 231 5
Gen. Chemistry 109 5	Elem. Organic Chemistry 110 5	Forage & Crop Production 102 5
Gen. Botany 101 4	Gen. Botany 102 4	Intro. to Livestock 101 5
Physical Activity 101 1	Physical Activity 102 1	

Middle Year

First Trimester
*Liberal Arts Core 3
Gen. Zoology 111 4
Soils 235 4
Feeds and Feeding 240 4
Physiology of Farm Animals 221 4

Agriculture Minor

A minor in agriculture is provided through the selection of 18 credits in agriculture.

*Select a liberal arts core course other than Man and the Social World or Man and World Civilization.

PRE-FORESTRY

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Elem. Systematic	Elem. Surveying 205 3
Gen. Zoology 111 4	Botany 105 4	Dendrology 211 4
Gen. Botany 101 4	Freshman English 104 3	Gen. Chemistry 109 5
Forestry & Allied	Coll. Alg.-Trig. 108 5	Physical Activity 103 1
Professions 101 0	Map Drafting &	
Physical Activity 101 1	Reading 112 1	

Middle Year

First Trimester	
Man & His Cultural	
Heritage 302	3
Gen. Botany 102	4
Range & Forage	
Plants 259	3
Elem. Organic	
Chemistry 110	5

PRE-VETERINARY MEDICINE

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester

Freshman English 103 3
Man & Soc. World 101 3
Gen. Chemistry 115 5
Intro. to Livestock 101 5
Physical Activity 101 1

Second Trimester

Freshman English 104 3
Man & Pol. World 102 3
Gen. Chemistry 116 5
Coll. Alg.-Trig. 108 5
Physical Activity 102 1

Third Trimester

Man & World Civ. 103 3
Gen. Physics 201 4
Gen. Botany 101 4
Organic Chemistry 231 5
Physical Activity 103 1

Middle Year

First Trimester

Man & His Cultural
Heritage 302 3
Gen. Physics 202 4
Gen. Zoology 111 4
Organic Chemistry 232 5

INDUSTRIAL ARTS

[FOR THE PROSPECTIVE TEACHER]

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Elem. Woodworking 101 4	Adv. & Machine Woodworking 102 4	Elec. Welding 201 4
Gen. Psychology 211 3	Education in America 207 3	Engineering Graphics I 111 3
Physical Activity 101 1	Physical Activity 102 1	Ed. Psych. & Measurements 218 4
Electives 3	Electives 3	

Middle Year

First Trimester

Man & His Cultural Heritage 301	3
Machine Drawing 110	4
Crafts 220	4
Secondary Educ. 302	4
Physical Activity 103	1

*The student who expects to be graduated from Fort Lewis A & M College and to teach industrial arts courses in the secondary school system will need to select a course of study from among the seven majors offered at the College. His work in industrial arts constitutes a minor. The student not planning to enter the teaching profession will substitute electives for the General Psychology and education courses.

DESCRIPTION OF COURSES

(The first figure in the parentheses refers to hours spent in lecture each week, the second to hours spent in the laboratory each week. The figure outside the parentheses refers to semester credit hours.)

AGRICULTURE

- Ag-101 Introduction to Livestock [4-3]5
Introduces the student to the basic elements of animal husbandry with emphasis on beef, sheep, swine, and dairy production.
- Ag-102 Forage and Crop Production [4-3]5
Principles of forage and field crop production. Crops in Colorado are stressed.
Prerequisite: BS-101.
- Ag-221 Physiology of Farm Animals [4-0]4
A study of the functions of the principle systems of the bodies of farm animals with emphasis on ruminant physiology.
Prerequisites: BS-111 and C-109. C-110 preferred.
- Ag-231 Range and Pasture Management [4-3]5
A study concerning management, development, and utilization of range land and pasture. A short survey of the more common poisonous plants will be given.
Prerequisites: BS-101, Ag-102.
- Ag-235 Soils [3-2]4
A basic course dealing with formation, properties, and management of soils with special attention given to soil conditions that affect moisture relations and elementary fertility analysis.
Prerequisite: C-110.

Ag-240 Feeds and Feeding [3-3]4

A study of the principles of feeding livestock with emphasis on the use of feeds available in the western states. Laboratory consists of calculating rations.

Prerequisite: C-109 and Middle-year standing.

Ag-250 Farm Management [3-0]3

Basic economic principles applied to farm and ranch operations.

BIOLOGICAL SCIENCE

BS-101 General Botany [3-3]4

Study of the structure, function, and development of seed-producing plants.

BS-102 General Botany [3-3]4

Study of the development of plant kingdom from the algae through the cone-producing plants.

Prerequisite: BS-101.

BS-105 Systematic Botany [3-3]4

A study of the classification and relationship of the major flowering plant groups; use of plant keys and related terminology.

Prerequisite: BS-101.

BS-111 General Zoology [3-3]4

Study of the structure and function of the human body using the frog as a laboratory animal.

- BS-112 General Zoology [3-3]4
Study of the animal phyla with particular reference to classification, anatomy, and economic importance.
Prerequisite: BS-111.
- BS-208 Plant Physiology [2-3]3
A detailed study of the functions of plants.
Prerequisite: BS-102.
- BS-211 Anatomy and Physiology [3-6]5
A detailed study of animal cells, tissues, gross anatomy and physiology, with particular reference to man.
Prerequisite: BS-111.
- BS-214 Entomology [2-3]3
A study of the general anatomy and physiology of insects, their identification and control.
Prerequisite: BS-111.
- BS-200 Microbiology [4-6]6
Study of bacteria and related groups with emphasis on their functions, culture, and identification, including diseases of economically important plants.
Prerequisite: BS-102.
- BS-231 Ecology [4-3]5
An introductory study of the relationships between animals, plants and their environment.
Prerequisites: BS-102, 112.

BS-307 Genetics [3-3]4

An investigation of inheritance with emphasis on the genetics of man, crops, and domestic animals. A discussion of the genetic basis of evolution is included.

Prerequisite: BS-111.

BS-311 Field Zoology [4-3]5

Collection, identification, and museum preparation of the vertebrate animals of the region.

Prerequisite: BS-112.

BS-315 Vertebrate Comparative Anatomy [2-6]4

A morphological study of the evolutionary development of vertebrate animals. Comparative dissections of representative animals will be done.

Prerequisite: BS-112.

BS-317 Vertebrate Embryology [2-6]4

An evolutionary study of the development, anatomically, morphologically and physiologically, of vertebrate embryos and reproductive systems.

Prerequisite: BS-111.

BS-362 Biogeography [3-0]3

A study of the past and present distributions of plants and animals. Emphasis will be on seed plants and vertebrate animals.

FORESTRY

- F-101 Forestry and Allied Professions [1-0]0
Professional responsibilities, advantages, disadvantages, job characteristics, training, and education requirements for the profession.
- F-106 Map Drafting and Reading [0-3]1
Lettering and use of simple drafting equipment. Map interpretation.
- F-211 Dendrology [3-3]4
Classification, identification, silvical characteristics, economic importance and distribution of the broad leaved and coniferous trees of the United States.
Prerequisite: BS-101.
- F-259 Range and Forage Plants [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-105.

INDUSTRIAL ARTS

- IA-101 Elementary Woodworking [2-5]4
Introduction to industrial arts emphasizing fundamental processes in hand woodworking and carpentry through layout and construction of simple projects. Care and maintenance of hand tools.
- IA-102 Advanced and Machine Woodwork [2-5]4
Continuation of elementary woodwork, emphasizing the use of power woodworking tools and finishing materials.
Prerequisite: IA-101.

IA-110 Machine Drawing

[2-5]4

Continuation of E-111 Engineering Graphics I. Stresses dimensioning, lettering layout of machine parts, ink tracings, and blue printing techniques.

Prerequisite: E-111 Engineering Graphics I.

IA-201 Electric Welding

[2-5]4

A basic course in the uses and methods of operating welding equipment. Includes flat, vertical and overhead welding and use of the cutting torch.

IA-220 Crafts

[2-5]4

A basic course in lapidary and art metal. The cutting and polishing of gem quality rocks and the tooling of aluminum, copper and brass, and etching of aluminum.

LIBERAL ARTS

(LA-101 through LA-302 are the "core" courses which every student is expected to take.)

LA-101 Man and the Social World (3-0)3

College orientation and general psychology of a practical nature to help the entering student adjust to college life. The location of the major places of the world. An awareness and general knowledge of the human environment in which the citizen operates.

LA-102 Man and the Political World (3-0)3

A study of the form and operation of the federal government as a basis for intelligent citizenship. An analysis of the major forces in international relations.

LA-103 Man and World Civilization (3-0)3

Fundamental principles of economics with emphasis upon special problems in the field. Beginning the study of the history of world civilization.

LA-201 Man and World Civilization (3-0)3

A continuation of the study of the history of world civilization.

LA-211 Man and the Scientific World (3-0)3

Principles and natural laws explaining important scientific concepts. Energy and energy changes. Particle and wave motion. Chemical changes and familiar compounds. Nuclear concepts and atomic energy.

LA-212 Man and the Scientific World (3-0)3

Weather phenomena and weather prediction, origin of the earth and changes which it is undergoing. Diastrophism and erosion. Rocks and minerals. The solar system. Concepts of matter and space. Advent of life on the earth. Concepts of biology as based on characteristics of living matter.

- LA-301 Man and His Cultural Heritage (3-0)3
A course devoted to the study of the expression of man as revealed in his art and music.
- LA-302 Man and His Cultural Heritage (3-0)3
An examination of man's thought as evidenced in his religious, philosophical and literary works.
- LA-396 Seminar (2-0)2
Students prepare and present a library research paper. Modern trends and literature are emphasized.
Prerequisites: Senior standing and permission of instructor.
- LA-399 Independent Study (1 or 3-0) 1-3
Individual research conducted under the supervision of the major professor.
Prerequisite: Approval of Division Chairman.

REQUIRED EDUCATION COURSES FOR THOSE WHO WISH TO TEACH

REQUIRED OF ALL TEACHER CANDIDATES

	Credit Hours
Education in America	3
Educational Psychology and Measurements	4

ADDITIONAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN SECONDARY SCHOOLS

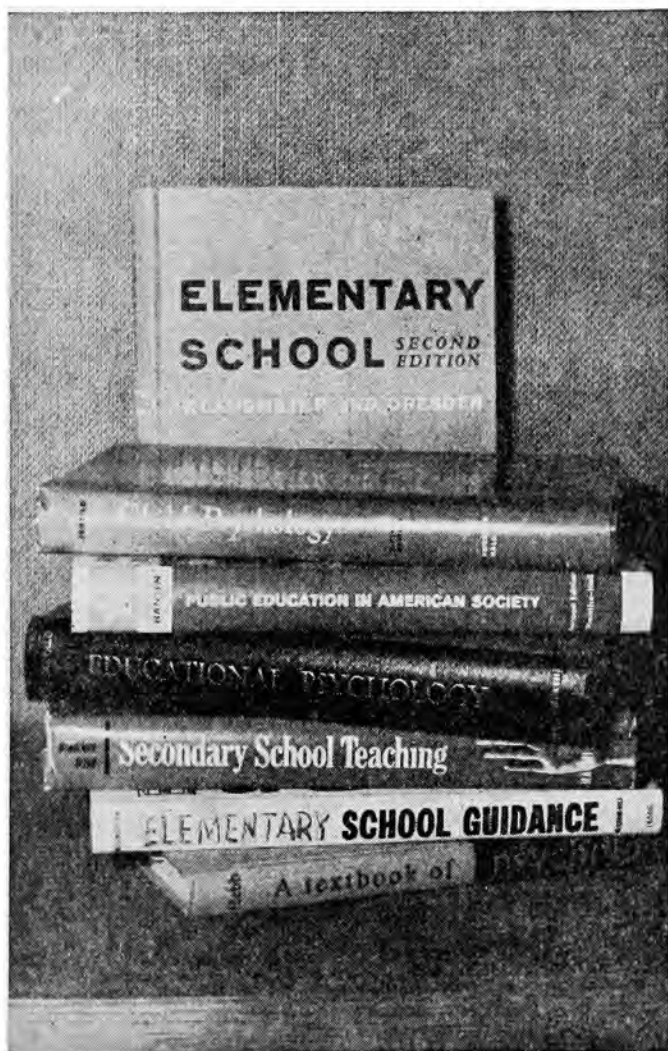
Secondary Education	4
Methods of Teaching	2
Observation and Student Teaching in the Secondary School ..	8





DIVISION
OF

Education and Psychology



FORT LEWIS A & M COLLEGE

DURANGO, COLORADO



THE DIVISION OF EDUCATION AND PSYCHOLOGY

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The pins of Phi Delta Kappa and Kappa Delta Pi—two organizations for college students who expect to become teachers—are shown on the cover of the bulletin. The photograph at the end of the bulletin is of the Fort Lewis gymnasium, showing the La Plata Mountains in the background.

PROGRAMS IN THE DIVISION

The Division of Education and Psychology at Fort Lewis A & M College provides instruction in the courses required for those students who expect to teach in elementary and secondary schools and serves other areas of study at the College by making available courses in physical education and psychology.

Graduates from Fort Lewis A & M College who have carried on extensive course work under the Division are most often trained for teaching and for graduate school, but they may also find positions in school or industrial guidance and counseling, social work, clinics, hospitals, schools and colleges, business and industry, and government.

These programs fall within the Division and are discussed in detail on the pages that follow: teacher education program, a minor in physical education, and a minor in psychology. Suggested curriculum plans are shown for elementary and secondary education, and descriptions of many of the courses a person in education would take will be found in the back of this bulletin.

Fort Lewis A & M College is a coeducational, liberal arts college, operating year 'round under a trimester academic calendar. Each trimester is comparable in length to a semester, and the student who elects to go year 'round can be graduated in two and two-thirds calendar years. The student who does not wish to attend the third (spring) trimester completes the two terms in April. All students are expected to take certain English, speech and physical education courses as well as the eight liberal arts "core" courses. (Course descriptions for the core courses will be found near the end of this bulletin.)

ADMISSIONS POLICY

Admission of first-time college students

1. Graduation from an accredited high school with a minimum of 15 secondary school units (grades 9-12).

2. Of the fifteen units required, three must be in English and seven must be chosen from the following academic fields: foreign languages, mathematics, science, social studies, and English.

3. Applicants should take the American College Test (ACT) as part of the admission procedure and have the scores sent to Fort Lewis A & M College. High school counselors have the registration forms and directions concerning this test.

4. Rank in the upper two-thirds of the graduating class with high school recommendation. Applicants who rank in the lowest one-third of their high school class may be given qualified admission on the basis of the American College Test, recommendation of high school counselor or principal and supplemental information.

5. Graduates of high schools not accredited will be examined for admission purposes, including the results of the American College Test.

Admission of adults and veterans

The College retains the prerogative of admitting individuals who by reason of experience are, in the institution's judgment, qualified for admission.

Admission of transfer students

Applicants with a cumulative scholastic average of "C" and honorable dismissal from other colleges and universities may be admitted to Fort Lewis A & M College. Their status is tentatively determined by the quantity and quality of the work completed at the institution from which they come.

(Any questions about admissions not answered here should be addressed to the Director of Admissions and Records, Fort Lewis A & M College, College Heights, Durango, Colorado.)

COSTS*

IN-STATE STUDENTS

	1st Trimester	2nd Trimester	3rd Trimester
Tuition	\$ 55	\$ 55	\$ 55
Student Fees	77	32	32
Board (20 meals a week)	230	230	230
Room	130**	130**	130**

OUT-OF-STATE STUDENTS

Tuition—\$175 per trimester. Other costs are the same.

Married student apartments rent for \$65 and \$70 a month. For further information on housing, write to the Housing Office.

(Inquiries about student financial aids should be addressed to the Chairman, Student Financial Aids Committee. Questions about part-time employment should be directed to the Dean of Students.)

*These costs do not include deposits, expenses for books and supplies, and special laboratory fees.

**New women's residence hall is \$140 per term.

The State Board of Agriculture reserves the right to change the schedule of tuition and fees at any time.

TEACHER EDUCATION PROGRAM

The teacher education program, within the setting of a liberal arts college, is designed to prepare adequately those students who want to enter the teaching profession at the secondary and elementary levels. The program presents the necessary skills, understandings, techniques, attitudes, knowledge and appreciations necessary for students to become successful teachers. Students from other areas of study may take education courses as electives if they desire a broad understanding of American schools.

Procedures have been established for a college student to complete the teacher education program and to be recommended by the College to the State Department of Education for a teacher certificate. A teacher-placement service is maintained. These procedures are briefly identified here.

ADMISSION TO THE PROGRAM

The student makes application for admission to the program. This is ordinarily accomplished during his fourth trimester at Fort Lewis A & M College. The Advisory Selection Committee, in considering an application for admission to the teacher education program, takes into consideration these factors: English language proficiency, character and personal adjustment, physical fitness, completion of necessary course work, and scholarship.

Students transferring to Fort Lewis A & M College from other collegiate institutions will be accepted for the teacher education program, depending upon their prior preparation. Inquiries about courses still needed for teacher training are welcomed and may be addressed to Director of Admissions and Records at Fort Lewis College.

TEACHER PLACEMENT SERVICES

Graduating teacher candidates may register with the service by March 1, if they so desire. Registration will include the preparation of personal and educational data and the listing of references for the confidential teacher placement folder, which will be sent by the Placement Office to school administrators who are considering the candidate for a teaching position. This folder will be maintained permanently by the Placement Office for use whenever the teacher wishes to seek a new position. Cooperation of the candidate in keeping all information up to date will be necessary.

CURRICULUM

Separate curricula are designed for preparation to teach in the elementary and secondary schools. Students in both curricula are required to meet the general requirements of the College for graduation as well as the specific requirements of the program. All teacher candidates shall complete the common courses required of all students and the general courses in professional education. The total number of credit hours from required and elective courses is ordinarily 128.

GRADUATION REQUIREMENTS—B. A. DEGREE

	Credit Hours
Common liberal arts requirements	38
Required of All Teacher Candidates	
Ed-207 Education in America	3
Ed-218 Educational Psychology and Measurements	4
Special Requirements for Those Who Will Teach in Elementary Schools	
<i>Professional education courses</i>	
Ed-230 Language Arts in the Elementary School	3
Ed-235 Reading in the Elementary School	2
Ed-245 Arithmetic and Science in the Elementary School	4
Ed-301 Elementary Education	4
Ed-307 Social Studies in the Elementary School	2
Ed-312 Art in the Elementary School	3
or	
Ed-316 Music in the Elementary School	3
Ed-394 Observation and Student Teaching in the Elementary School	8
<i>Significant supporting courses</i>	
EL-227 Children's Literature	4
Approved course in mathematics	4
Ps-211 General Psychology	3
Ps-254 Child and Adolescent Psychology	3
SS-101 History of the Americas	5
SS-102 History of the Americas	5
Additional hours in English	12
Additional hours in history	2
Special Requirements for Those Who Will Teach in Secondary Schools	
<i>Professional education courses</i>	
Ed-302 Secondary Education	4
Ed-380 Methods of Teaching (in a particular subject area)	2
Ed-395 Observation and Student Teaching in the Secondary School	8

ELEMENTARY EDUCATION

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Physical
Physical Activity	Physical	Activity III 103 1
I 101 1	Activity II 102 1	Fund. of Speech 121 3
History of the	History of the	Gen. Psychology 211 3
Americas 101 5	Americas 102 5	Electives 8
Fund. of	Educ. in America 207 3	
Mathematics 101 4	Electives 3	

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Educ. Psychology and	Child & Adolescent	Arith. & Science in
Measurements 218 4	Psychology 254 3	the Elem. Sch. 245 4
Children's Lit. 227 4	Music in the	Soc. Studies in
Language Arts in the	Elem. Sch. 316 3	Elem. Sch. 307 2
Elementary	Art in the	Electives 8
Elem. Sch. 230 3	Elem. Sch. 312 3	
Electives 3	Electives 8	

Senior Year

*First Trimester	*Second Trimester
Man & His Cultural	Reading in
Heritage 301 3	Elem. Sch. 235 2
Man & His Cultural	Elementary
Heritage 302 3	Education 301 4
Seminar 396 2	Observation and
or	Student Teaching
Ind. Study 399 1-3	in the Elem.
Electives 8	Sch. 394 8

*The first and second trimesters of the senior year are interchangeable because of student teaching assignments. In observation and student teaching, the student spends his entire day off campus in a school in or near Durango. In the first part of the trimester not needed for Ed-394, the student completes on campus Ed-301 and Ed-235. This would be roughly a sequence of seven weeks on campus and eight weeks off campus.

SECONDARY EDUCATION

SUGGESTED CURRICULUM PLAN

(Figures shown in the columns refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Physical
Physical Activity I 101 1	Physical	Activity III 103 1
Fund. of Speech 121 3	Activity II 102 1	*Electives 11-14
*Electives 6-8	Educ. in America 207 3	
	*Electives 6-8	

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Educ. Psychology and Measurements 218 4	*Electives 12-15	*Electives 12-15
*Electives 8-11		

Senior Year

**First Trimester	**Second Trimester
Man & His Cultural Heritage 301 3	Secondary Education 302 4
Man & His Cultural Heritage 302 3	Methods of Teaching 380 2
Seminar 396 2	Observation and Student Teaching in the Sec. School 395 8
or Ind. Study 399 1-3	
*Electives 7	

*Through the electives the student fulfills his requirements for a major and a minor.

**The seventh and eighth trimesters are interchangeable because of student teaching assignments. In observation and student teaching, the student spends his entire day off campus in a school in or near Durango. In the first part of the trimester not needed for Ed-395, the student completes on campus Ed-302 and Ed-380. This would be roughly a sequence of seven weeks on campus and eight weeks off campus.

PHYSICAL EDUCATION MINOR

A physical education minor for both men and women is offered to students who are majoring in other areas. This minor enables a student to prepare for specialization in health, physical education and recreation.

Many job opportunities await the college graduate who has taken a minor in physical education. The teaching profession, owners of camps and resorts, and city and county recreation directors all require his services.

Select 18 credit hours from the following:

	Credit Hours
PE-111 Introduction to Health, Physical Education, Recreation ..	4
PE-124 First Aid	2
PE-207 Theory and Coaching of Team Sports	5
PE-216 Theory and Teaching of Individual and Dual Sports	4
PE-242 Physical Education and Health in Elementary Schools	5
*PE-254 Adaptive Physical Education	5
PE-261 Theory and Technique in Folk and Social Dance	3

PSYCHOLOGY MINOR

Psychology primarily prepares people to assist others. Many students elect courses in this discipline to provide better for their own personal growth and to assist them in their work. They can select from a variety of positions in clinics, hospitals, schools and colleges, business and industry, and governmental agencies.

Many positions require additional knowledge and skill in psychology, so many students seek the master's and doctor's degree.

A psychology minor is offered to students who are majoring in other areas. Ps-211 General Psychology and Ps-212 General Psychology, three and four credit hours respectively, are required for the Psychology minor. A total of 11 additional hours must be selected from the following courses:

Ps-254 Child and Adolescent Psychology	3
Ps-287 Abnormal Psychology	3
Ps-307 Mental Hygiene	3
Ps-365 Psychology of Learning	4
Ps-372 Psychology of Personality	3

*This course required for completion of minor.

DESCRIPTION OF COURSES

(The first figure in the parentheses refers to hours spent in lecture each week, the second to hours spent in the laboratory each week. The figure outside the parentheses refers to semester credit hours.)

EDUCATION

- Ed-207 Education in America (3-0)3
Designed for students desiring information about the American school system and for prospective teachers. Topics covered are: introduction to education, history and philosophy of education, school organization and administration, characteristics of successful teachers, teaching as a profession, and observation of teaching.
- Ed-218 Educational Psychology and Measurements (3-2)4
Principles of psychology applied to the learning and teaching processes including psychological research in the field of education.
- Ed-230 Language Arts in the Elementary School (3-0)3
Modern methods and practices that are used in teaching creative writing, speaking, spelling, and handwriting in the elementary grades.
- Ed-235 Reading in the Elementary School (2-0)2
Reading; nature of the process; preparation for reading; needs at each level of development; methods of instruction; diagnosis and treatment of difficulties.
- Ed-245 Arithmetic and Science in the Elementary School (4-0)4
Modern methods and practices that are used in teaching arithmetic and science in the elementary school.
- Ed-301 Elementary Education (4-0)4
Organization and management of instruction and the principles of teaching as applied to the elementary school; observation of elementary school classes; case studies; materials of instruction including audio-visual aids.

Ed-302 Secondary Education (4-0)4

Organization and management of instruction and the principles of teaching as applied to the secondary school; observation of secondary school classes; case studies; and materials of instruction including audio-visual aids.

Ed-307 Social Studies in the Elementary School (2-0)2

Basic concepts related to effective citizenship in a democracy; geographical and historical content appropriate to the elementary school. The core function of social studies, sequence, methods of instruction, materials and resources for learning.

Ed-312 Art in the Elementary School (3-0)3

Contemporary and historical concepts, practices, and methods used in the elementary school art program. Materials, techniques, and ideas important to children's art expression, growth, and appreciation.

Ed-316 Music in the Elementary School (3-0)3

Methods and materials for the elementary school music program. Singing, rhythm, creative activity, music reading, listening, appreciation, and the playing of simple instruments.

Ed-380 Methods of Teaching (2-0)2

A course designed to show the prospective teacher how to teach specific subjects in high school. Attention is given to the historical development and new trends within the subject matter area and their influence upon curriculum, learning, and teaching.

Ed-394 Observation and Student Teaching in the
Elementary School 8

Includes observation, participation, teaching, and allied activities under the direction of a selected regular teacher in an elementary school in consultation with College supervisors. The application for student teaching must be approved prior to registration for Ed-394.

**Ed-395 Observation and Student Teaching in the
Secondary School**

8

Includes observation, participation, teaching, and allied activities under the direction of a selected regular teacher in a secondary school in consultation with College supervisors. The application for student teaching must be approved prior to registration for Ed-395.

LIBERAL ARTS

(LA-101 through LA-302 are the "core" courses which every student is expected to take.)

LA-101 Man and the Social World (3-0)3

College orientation and general psychology of a practical nature to help the entering student adjust to college life. The location of the major places of the world. An awareness and general knowledge of the human environment in which the citizen operates.

LA-102 Man and the Political World (3-0)3

A study of the form and operation of the federal government as a basis for intelligent citizenship. An analysis of the major forces in international relations.

LA-103 Man and World Civilization (3-0)3

Fundamental principles of economics with emphasis upon special problems in the field. Beginning the study of the history of world civilization.

LA-201 Man and World Civilization (3-0)3

A continuation of the study of the history of world civilization.

LA-211 Man and the Scientific World (3-0)3

Principles and natural laws explaining important scientific concepts. Energy and energy changes. Particle and wave motion. Chemical changes and familiar compounds. Nuclear concepts and atomic energy.

LA-212 Man and the Scientific World (3-0)3

Weather phenomena and weather prediction, origin of the earth and changes which it is undergoing. Diastrophism and erosion. Rocks and minerals. The solar system. Concepts of matter and space. Advent of life on the earth. Concepts of biology as based on characteristics of living matter.

- LA-301 Man and His Cultural Heritage (3-0)3
A course devoted to the study of the expression of man as revealed in his art and music.
- LA-302 Man and His Cultural Heritage (3-0)3
An examination of man's thought as evidenced in his religious, philosophical and literary works.
- LA-396 Seminar (2-0)2
Students prepare and present a library research paper. Modern trends and literature are emphasized.
Prerequisites: Senior standing and permission of instructor.
- LA-399 Independent Study (1 or 3-0) 1-3
Individual research conducted under the supervision of the major professor.
Prerequisite: Approval of Division Chairman.

PHYSICAL EDUCATION

- PE-101 Physical Activity I (0-2)1
Physical activities that are "in season" during each trimester for men or for women.
- PE-102 Physical Activity II (0-2)1
A continuation of PE-101.
- PE-111 Introduction to Health, Physical Education, and Recreation (4-0)4
History and principles of the three general fields are covered as well as laws, professional organizations, and careers.
- PE-124 First Aid (2-0)2
First aid is taught; those who complete the course are eligible to receive the advanced American Red Cross certificate.
- PE-207 Theory and Coaching of Team Sports (5-0)5
This course devotes equal time to the following team sports for men: Football, basketball, baseball, track, and wrestling. The rules, officiating procedures, organization of practices, psychology of coaching, facilities and equipment necessary for each of these sports is covered.
- PE-216 Theory and Teaching of Individual and Dual Sports (4-0)4
The rules and officiating procedures as well as teaching techniques for the following activities for men and women are covered: Tennis, badminton, golf, archery, gymnastics, bowling, skiing, and weight training.
- PE-242 Physical Education and Health in Elementary Schools (5-0)5
The physical and emotional growth and development of elementary school children in relation to physical activities. Organization and administration of the elementary school physical education program plus methods of teaching and evaluation of students.
- PE-254 Adaptive Physical Education (5-0)5
Relating the physical education program to students who deviate from normal physical status. Basic kinesiology and corrective training programs are covered.

- PE-261 Theory and Techniques of Folk and Social Dance (3-0)3**
Course deals with fundamental rhythms, basic structure, and the teaching of folk and social dances. Material presented is for both elementary and secondary school use.

PSYCHOLOGY

- Ps-211 General Psychology (3-0)3**
An introduction to the scientific study of behavior, the basic learning process, motivation, and an introduction to social behavior.
- PS-212 General Psychology (3-2)4**
An extension of basic principles to the area of complex human behavior. An attempt is made to integrate these principles with other approaches such as that of Freud. Includes basic animal experimentation in both lectures and laboratory.
Prerequisite: Ps-211.
- Ps-254 Child and Adolescent Psychology (3-0)3**
Principles of development in childhood and adolescence.
Prerequisite: Ps-212 or Ed-218.
- Ps-287 Abnormal Psychology (3-0)3**
Borderline disorders as extreme variations of the normal personality. Such disorders as neurotic and psychotic behavior, alcoholism, drug addiction, personality disorders and sexual deviation will be considered.
Prerequisite: Ps-212.
- Ps-307 Mental Hygiene (3-0)3**
The psychological principles underlying the nature of mental and emotional health and its minor deviation in terms of remedial and preventative treatment.
Prerequisite: Ps-212.
- Ps-365 Psychology of Learning (3-2)4**
The conditions of learning in animals and men as found in the experimental literature.
Prerequisite: Ps-212.
- Ps-372 Psychology of Personality (3-0)3**
The psychological and physiological nature of personality. Individual differences. The development of personality.
Prerequisite: Ps-287 or Ps-307.



DIVISION OF HUMANITIES



Fort Lewis A & M College

DURANGO, COLORADO

THE DIVISION OF HUMANITIES

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The photograph at the end of the Division of Humanities Bulletin is of students in front of the Raman A. Miller Memorial Student Center.

Issued, May, 1963

PROGRAMS IN THE DIVISION

The Division of Humanities at Fort Lewis A & M College serves as both an academic division, wherein courses of study are provided for three majors and a number of minors, and as a service organization — providing courses needed by students in other divisions.

The Division trains young people for a number of different careers, including: government service, the Foreign Service, teaching in elementary school, high school or college, journalism and writing, art, and social work, as well as providing the undergraduate requirements for entry to law school.

Fort Lewis A & M College is a coeducational, liberal arts college, operating year 'round under a trimester academic calendar. Each trimester is comparable in length to a semester, and the student who elects to go year 'round can be graduated in two and two-thirds calendar years. The student who does not wish to attend the third (spring) trimester completes the two terms in April. All students are expected to take the eight liberal arts "core" courses.

Descriptions of core courses will be found under the "Liberal Arts" heading near the back of this bulletin.

MAJORS AND MINORS WITHIN THE DIVISION OF HUMANITIES

The Division makes possible these majors: English, History, and Humanities. These minors are provided for: Art, English, French, History, and Music.

Thirty-two credit hours are customarily required for the major, eighteen credit hours for the minor. The Humanities major selects a primary area of concentration and two secondary areas of concentration from among art, history, literature and music, and thus is not required to study in a fourth area for a minor.

Suggested curriculum plans for the majors, and course requirements for majors and minors are shown on the pages that follow. Descriptions of many of the courses a Division of Humanities student will take will be found at the back of this bulletin.

ADMISSIONS POLICY

Admission of first-time college students

1. Graduation from an accredited high school with a minimum of 15 secondary school units (grades 9-12).

2. Of the fifteen units required, three must be in English and seven must be chosen from the following academic fields: foreign languages, mathematics, science, social studies, and English.

3. Applicants should take the American College Test (ACT) as part of the admission procedure and have the scores sent to Fort Lewis A & M College. High school counselors have the registration forms and directions concerning this test.

4. Rank in the upper two-thirds of the graduating class with high school recommendation. Applicants who rank in the lowest one-third of their high school class may be given qualified admission on the basis of the American College Test, recommendation of high school counselor or principal and supplemental information.

5. Graduates of high schools not accredited will be examined for admission purposes, including the results of the American College Test.

Admission of adults and veterans

The College retains the prerogative of admitting individuals who by reason of experience are, in the institution's judgment, qualified for admission.

Admission of transfer students

Applicants with a cumulative scholastic average of "C" and honorable dismissal from other colleges and universities may be admitted to Fort Lewis A & M College. Their status is tentatively determined by the quantity and quality of the work completed at the institution from which they come.

(Any questions about admissions not answered here should be addressed to the Director of Admissions and Records, Fort Lewis A & M College, College Heights, Durango, Colorado.)

COSTS*

IN-STATE STUDENTS	1st Trimester	2nd Trimester	3rd Trimester
Tuition	\$ 55	\$ 55	\$ 55
Student Fees	77	32	32
Board (20 meals a week)	230	230	230
Room	130**	130**	130**

OUT-OF-STATE STUDENTS

Tuition — \$175 per trimester. Other costs are the same.

For married students there are apartments for \$60 and \$65 a month. For further information on housing, write to the Housing Office.

(Inquiries about student financial aids should be addressed to the Chairman, Student Financial Aids Committee. Questions about part-time employment should be directed to the Dean of Students.)

* The above costs do not include deposits, the costs of books and supplies, and special laboratory fees.

** New women's residence hall is \$140 per term.

The State Board of Agriculture reserves the right to change the schedule of tuition and fees at any time.

ENGLISH MAJOR

The English major at Fort Lewis College is laid down on a broad base of the sciences and the humanities, including history, language, and the liberal arts in general. It is designed to provide the student with training and experience in evaluative reading, critical thinking, and clear self-expression. Consequently, the English major at Fort Lewis prepares the student for many fields of graduate and professional study, careers in writing and public relations, broadcasting, and industry.

Students desiring to teach will take the required education courses listed on page 25.

GRADUATION REQUIREMENTS—B.A. DEGREE— ENGLISH MAJOR

	Credit Hours
Common liberal arts requirements	38
Two trimesters of mathematics or foreign language	8-9
	<hr/> 46-47

English Requirements

Select 32 credit hours from the following:

EL-167 World Literature	4
EL-175 The Essay and Short Story	5
EL-200 The Bible as Literature	4
EL-204 Advanced Composition	3
EL-227 Children's Literature	4
EL-239 Development of the English and American Novel ...	5
EL-244 Survey of English Literature	5
EL-258 Dramatic Literature	5
EL-263 The Great Romantic Period in Literature	5
EL-320 Shakespeare	4
EL-331 History of the English Language	3
EL-340 Contemporary Literature	5

Electives (including a minor of 18 credit hours) 49-51

Total

128

English Minor

A minor in English is provided for students who are not majoring in English.

English Minor Requirements: Select 18 credit hours from the following: EL-167, EL-175, EL-200, EL-204, EL-227, EL-239, EL-242, EL-258, EL-263, EL-320, EL-331, EL-340.

ENGLISH MAJOR

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
*Foreign language 4	World Literature 167 4	Essay and Short St.175 5
Physical Activity 101 1	*Foreign language 4	Physical Activity 103 1
Electives 5	Physical Activity 102 1	Electives 4

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Bible as Lit. 200 4	Survey of Eng. Lit. 244 5	Dev. of Novel 239 5
Advanced Comp. 204 3	*Mathematics 4-5	Dramatic Lit. 258 5
*Mathematics 4	Electives 4	Electives 4
Electives 3		

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Shakespeare 320 4	Contemp. Lit. 340 5
Hist. of Lang. 331 3	Seminar 396 or 2
Electives 6	Ind. Study 399 1-3
	Electives 3-6

Survey of English Literature and Advanced Composition are strongly recommended for all English majors. English majors planning to enter upon graduate study should also take History of the English Language and an additional year of foreign language.

A minor of 18 credit hours in a field other than English must be included in the electives.

* Students must select two courses in either mathematics or a foreign language.

HISTORY MAJOR

Fort Lewis A & M College offers a major in History. The area of history and social science is conceived as an important part of a liberal education. In addition, the courses should help to prepare students both for graduate work and for careers in many fields, including teaching, public service, and journalism.

Students are encouraged to pursue historical knowledge as an ordered set of carefully reached judgments with integrity and to illuminate the issues of the present and help provide standards by which to appraise the trends of the contemporary world.

Students desiring to teach will take the required education courses listed on page 25.

GRADUATION REQUIREMENTS—B.A. DEGREE— HISTORY MAJOR

	Credit Hours
Common liberal arts requirements	38
Two trimesters of mathematics or foreign language	8-9
	<hr/> 46-47

History Requirements

Select 32 credit hours from the following:

SS-101 History of the Americas	5
SS-102 History of the Americas	5
SS-110 Ancient History	4
SS-210 History of the Middle Ages in Europe	3
SS-213 History of England	4
SS-224 History of the 20th Century	4
SS-232 Russia and Satellites	4
SS-275 From the Renaissance to 1900	3
SS-314 History of the Southwest	3
SS-320 The Near East and Africa	4
SS-328 Southern and Southeast Asia	4

Electives (including a minor of 18 credit hours) 48-49

Total 128

History Minor

A minor in History is provided for students who are not majoring in History.

History Minor Requirements: Select 18 credit hours from the following: SS-101, SS-102, SS-210, SS-213, SS-224, SS-232, SS-275, SS-314, SS-320, SS-328.

HISTORY MAJOR

SUGGESTED CURRICULUM PLAN

(*Figures shown refer to semester hours of credit.*)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 2	Man & World Civ. 103 3
Hist. of the Ams. 101 5	Hist. of the Ams. 102 5	Fund. of Speech 121 3
Freshman English 103 3	Freshman English 104 3	Hist. of England 213 4
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
Electives 4	Electives 4	Electives 5

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Ancient Hist. 110 3	Hist. of 20th Century	Hist. of Middle
*Fund. of Math 101 4	U.S. & W. Europe 224 4	Ages 210 3
or	*Foreign language 4	Rus. & Satellites 232 4
*Foreign language 4	or	Electives 6
Electives 4	*Coll. Alg.-Trig. 108 5	
	Electives 4	

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301 3	Heritage 302 3
From the Renaissance	S. & E. Asia 328 4
to 1900 3	Seminar 396 or 2
Near E. & Africa 320 4	Ind. Study 399 1-3
Electives 7	Electives 7

A minor of 18 credit hours in a field other than history must be included in the electives.

* Students must select two courses in either mathematics or a foreign language.

HUMANITIES MAJOR

Fort Lewis A & M College offers an inter-disciplinary major in Humanities for the bachelor's degree. With a primary concentration of twenty hours in one area and with a secondary concentration of twelve hours each in two other areas, the student will receive a broad background in the liberal and fine arts. Such an organized program in the humanities affords a sound education for those contemplating careers in law or governmental service, for those planning to teach, for those preparing for advanced study at the graduate level, and for those who wish a sound cultural grounding for the bachelor's degree. The student is required to cross traditional subject matter areas to satisfy the requirements for the Humanities major; he will elect from the fields of history, music, art, and literature one area for primary concentration and two areas for secondary concentrations.

Students desiring to teach will take the required education courses listed on page 25.

GRADUATION REQUIREMENTS—B.A. DEGREE— HUMANITIES MAJOR

	Credit Hours
Common liberal arts requirements	38
Foreign language	14
Philosophy P-271	5
	<hr/>
Total.....	57

Humanities Requirements

Elect one primary field and two secondary fields from among art, history, literature, and music. The student must acquire twenty credit hours in the primary field and twelve hours each in two secondary fields. The secondary fields take the place of the ordinary minor.

Credit Hours

Primary Concentration:

If Music: Mu-131 Music Content, Mu-132 Music Content, Mu-211 Music Education, Mu-212 Music Education. The maximum credit allowable in band and chorus for the primary concentration in Music is three credit hours	20
If History or Literature: Any courses accepted toward major (or minor)	20
If Art: A-160 Two and Three Dimensional Design, A-170 Drawing, A-171 Drawing, A-220 Painting, A-350 Theory and Aesthetics	20

Secondary Concentration:

If Art: A-160 Two and Three Dimensional Design, A-170 Drawing, A-220 Painting	12
If History or Literature: Any courses accepted toward major (or minor)	12
If Music: Mu-131 Music Content, Mu-132 Music Content. The maximum credit allowable in band and chorus for the secondary concentration in music is three credit hours	12
	<hr/>
	44
Electives	27

Total..... 128

Art Minor

For students majoring in other areas, a minor in Art is available. Requirements for the minor are: A-160 Two and Three Dimensional Design, A-170 Drawing, A-220 Painting, A-350 Theory and Aesthetics, plus one other studio course.

Music Minor

For students majoring in other areas, a minor in Music is available. Requirements for the minor are: Mu-131 Music Content, Mu-132 Music Content, Mu-211 Music Education, and Band or Chorus.

**HUMANITIES MAJOR—
PRIMARY CONCENTRATION—ART**

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
*Foreign language 4	*Foreign language 4	*Foreign language 3
Drawing 170 4	Drawing 171 4	2 & 3 Dim. Design 160 4
		Electives 3

Secondary Concentrations—History and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	World Lit. 167 4	Children's Lit. 227 4
Painting 220 4	Hist. of the Ams. 102 5	Hist. of England 213 4
App. history course 3	Electives 4	Electives 6
Electives 3		

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Theory & Aesthetics 350 4	Ind. Study 399 1-3
Shakespeare 320 4	Electives 4

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—History and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201	3 Man & Sci. World 211	3 Man & Sci. World 212
*Foreign language	3 Hist. of the Ams. 102	5 Hist. of England 213
Music Content 131	5 Painting 220	4 Band 110
App. history course	3 Music Content 132	5 or
Band 110	1 Band 110	1 Chorus 105
or	or	Electives
Chorus 105	1 Chorus 105	1
Electives	2	6

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301	Heritage 302
Philosophy 271	Seminar 396 or
Theory & Aesthetics 350	Ind. Study 399
Band 110	Electives
or	
Chorus 105	
Electives	

Secondary Concentrations—Literature and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201	3 Man & Sci. World 211	3 Man & Sci. World 212
*Foreign language	3 Painting 220	4 Children's Lit. 227
Music Content 131	5 World Literature 167	4 Band 110
Band 110	1 Music Content 132	5 or
or	Band 110	1 Chorus 105
Chorus 105	or	Electives
Electives	3 Chorus 105	1
		8

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301	Heritage 302
Philosophy 271	Seminar 396 or
Theory & Aesthetics 350	Ind. Study 399
Shakespeare 320	Electives
Band 110	
or	
Chorus 105	

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

HUMANITIES MAJOR—

PRIMARY CONCENTRATION—HISTORY

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
*Foreign language 4	*Foreign language 4	*Foreign language 3
Hist. of the Ams. 101 5	Hist. of the Ams. 102 5	Electives 5

Secondary Concentrations—Art and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man. & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	World Literature 167 4	2 & 3 Dim. Design 160 4
App. history course 3	Drawing 170 4	Children's Lit. 227 4
Electives 8	App. history course 3-4	App. history course 3-4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Shakespeare 320 4	Ind. Study 399 1-3
Painting 220 4	Electives 12

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—Art and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	App. history course 3-4	App. history course 3-4
Music Content 131 5	Music Content 132 5	Band 110 1
Band 110 1	Band 110 1	or
or	or	Chorus 105 1
Chorus 105 1	Chorus 105 1	2 & 3 Dim. Design 160 4
Electives 3	Drawing 170 4	Electives 3

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301 3	Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Band 110 1	Ind. Study 399 1-3
or	Electives 11
Chorus 105 1	
Painting 220 4	
Electives 3	

Secondary Concentrations—Literature and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Content 132 5	Band 110 1
Music Content 131 5	Band 110 1	or
Band 110 1	or	Chorus 105 1
or	Chorus 105 1	Children's Lit. 227 4
Chorus 105 1	App. history course 3-4	App. history course 3-4
App. history course 3	World Literature 167 4	Electives 3
Electives 2		

Senior Year

First Trimester	Second Trimester
Man & His Cultural	Man & His Cultural
Heritage 301 3	Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Band 110 1	Ind. Study 399 1-3
or	Electives 11
Chorus 105 1	
Shakespeare 320 4	
Electives 2	

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

HUMANITIES MAJOR—

PRIMARY CONCENTRATION—LITERATURE

SUGGESTED CURRICULUM PLAN

(Figures shown refer to semester hours of credit.)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Survey of Engl. Lit. 244 5
Physical Activity 101 1	Physical Activity 102 1	*Foreign language 3
*Foreign language 4	*Foreign language 4	Physical Activity 103 1
Fund. of Speech 121 3	World Literature 167 4	Electives 5
Electives 3		

Secondary Concentrations—History and Art

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Bible as Lit. 200 4	2 & 3 Dim. Design 160 4	Hist. of England 213 4
*Foreign language 3	Hist. of the Ams. 102 4	Painting 220 4
Drawing 170 4	Shakespeare 320 4	App. history course 4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Contemp. Lit. 340 5	Ind. Study 399 1-3
Electives 3	Electives 11

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—History and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Bible as Lit. 200 4	Hist. of the Ams. 102 4	Hist. of England 213 4
*Foreign language 3	Music Content 132 5	App. history course 4
Music Content 131 5	Shakespeare 320 4	Band 110 1
Band 110 1	Band 110 1	or
or	or	Chorus 105 1
Chorus 105 1	Chorus 105 1	Electives 4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Contemp. Lit. 340 5	Ind. Study 399 1-3
Electives 3	Electives 10

Secondary Concentrations—Art and Music

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
Bible as Lit. 200 4	Drawing 170 4	2 & 3 Dim. Design 160 4
*Foreign language 3	Music Content 132 5	Painting 220 4
Music Content 131 5	Shakespeare 320 4	Band 110 1
Band 110 1	Band 110 1	or
or	or	Chorus 105 1
Chorus 105 1	Chorus 105 1	Electives 4

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Seminar 396 or 2
Contemp. Lit. 340 5	Ind. Study 399 1-3
Electives 3	Electives 10

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

HUMANITIES MAJOR—

PRIMARY CONCENTRATION—MUSIC

SUGGESTED CURRICULUM PLAN

(*Figures shown refer to semester hours of credit.*)

Freshman Year

First Trimester	Second Trimester	Third Trimester
Man & Soc. World 101 3	Man & Pol. World 102 3	Man & World Civ. 103 3
Freshman English 103 3	Freshman English 104 3	Fund. of Speech 121 3
Physical Activity 101 1	Physical Activity 102 1	Physical Activity 103 1
*Foreign language 4	*Foreign language 4	*Foreign language 3
Music Content 131 5	Music Content 132 5	Electives 5
Band 110 1	Band 110 1	
or	or	
Chorus 105 1	Chorus 105 1	

Secondary Concentrations—Art and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Education 212 5	2 & 3 Dim. Design 160 4
Music Education 211 5	Band 110 1	Drawing 170 4
Band 110 1	or	Children's Lit. 227 4
or	Chorus 105 1	
Chorus 105 1	World Literature 167 4	
Shakespeare 320 4	Electives 3	

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Band 110 1
Band 110 1	or
or	Chorus 105 1
Chorus 105 1	Seminar 396 or 2
Painting 220 4	Ind. Study 399 1-3
Electives 3	Electives 10

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

Secondary Concentrations—Art and History

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Education 212 5	2 & 3 Dim. Design 160 4
Music Education 211 5	Band 110 1	Drawing 170 4
Band 110 1	or	Hist. of England 213 4
or	Chorus 105 1	
Chorus 105 1	Hist. of the Ams. 102 5	
Electives 4	Electives 3	

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Philosophy 271 5	Band 110 1
Band 110 1	or
or	Chorus 105 1
Chorus 105 1	Seminar 396 or 2
Painting 220 4	Ind. Study 399 1-3
App. history course 3	Electives 10

Secondary Concentrations—History and Literature

Middle Year

First Trimester	Second Trimester	Third Trimester
Man & World Civ. 201 3	Man & Sci. World 211 3	Man & Sci. World 212 3
*Foreign language 3	Music Education 212 5	Children's Lit. 227 4
Music Education 211 5	Band 110 1	Hist. of England 213 4
Band 110 1	or	Electives 5
or	Chorus 105 1	
Chorus 105 1	Hist. of the Ams. 102 5	
Electives 3	Electives 3	

Senior Year

First Trimester	Second Trimester
Man & His Cultural Heritage 301 3	Man & His Cultural Heritage 302 3
Band 110 1	Band 110 1
or	or
Chorus 105 1	Chorus 105 1
App. history course 3	World Literature 167 4
Philosophy 271 5	Seminar 396 or 2
Shakespeare 320 4	Ind. Study 399 1-3
	Electives 5

* Four hours of foreign language will ordinarily be waived for each year of foreign language taken in high school.

DESCRIPTION OF COURSES

(The first figure in the parentheses refers to hours spent in lecture each week, the second to hours spent in the laboratory each week. The figure outside the parentheses refers to semester credit hours.)

ART

- A-160 Two and Three Dimensional Design (0-6)4
A course dealing with two-dimensional design in collage form and bas-relief. It also consists of modeling in plastic material and carving and shaping more rigid and resistant materials such as wood, metal, and stone.
- A-170 Drawing (0-6)4
Practice in problems of technique, perspective, color and design, and basics of composition. Subject-matter to deal with still life, landscape, animals and the human figures.
(Course work in this area offered at the beginning and advanced levels.)
- A-171 Drawing (0-6)4
A continuation of A-170.
Prerequisite: A-170.
- A-220 Painting (0-6)4
Instruction in oil painting. Students will concentrate on compositional and color problems while working from human figures, still life and landscape.
(Course work in this area offered at the beginning and advanced levels.)
- A-221 Painting (0-6)4
A continuation of A-220.
Prerequisite: A-220.
- A-263 Advanced Studio (0-6)4
Special topics.
- A-312 Art for Elementary Teachers (3-0)3
Contemporary and historical concepts, practices, and methods used in the elementary school art program.
- A-350 Theory and Aesthetics (3-0)4
The appreciation and understanding of the various art forms.
- A-363 Advanced Studio (0-6)4
Special topics.

ENGLISH

- EL-100 Developmental Reading (0-2)1
A course designed to increase the reading rate and comprehension level of any student.
- EL-103 Freshman English (3-0)3
Training in good usage in written and oral expression.
Prerequisite: Satisfactory score on ACT or a passing grade in Remedial English.
- EL-104 Freshman English (3-0)3
A continuation of EL-103 with emphasis on longer units of composition.
Prerequisite: EL-103.
- EL-110 Vocabulary Building (3-0)3
A course designed to stimulate growth in vocabulary.
Prerequisite: EL-103.
- EL-121 Fundamentals of Speech (3-0)3
Through closely supervised activities in various speech forms, the student develops skills in the organization and delivery of speeches.
- EL-167 World Literature (3-0)3
Selected works of non-English speaking peoples from ancient to modern times examined with attention to the predominant thoughts of diverse cultures.
Prerequisite: EL-103.
- EL-175 The Essay and Short Story (4-0)5
A study of the essay, short story, and other short prose writings.
Prerequisite: EL-104.
- EL-189 News Writing (2-3)3
A practical course in news writing, with emphasis on news gathering, interviewing and the writing of news stories for the weekly student newspaper.
- EL-200 The Bible as Literature (3-0)4
A study of the Bible as literature, and its influence on the art, music, and literature of the Western World.
- EL-204 Advanced Composition (3-0)3
Basic techniques of exposition and imaginative writing.
Prerequisite: EL-104 and permission of instructor.

- EL-208 Advanced Journalism (2-3)3
Advanced news writing, editorial and feature writing, preparation of copy for newspaper campaigns, headline writing, and newspaper make-up are all stressed. Those registered for the course work on the weekly student newspaper.
- EL-212 Advanced Public Speaking (3-0)3
A study designed to handle larger units of persuasive speech materials. Prerequisite: EL-121 and permission of instructor.
- EL-227 Children's Literature (3-0)4
Folk literature, poetry, drama, and informational books for pre-school and elementary school children. Emphasis is placed upon the development of criteria for the selection of appropriate literature for children at different levels.
- EL-239 Development of the English and American Novel (4-0)5
A course devoted to the history and development of the novel in English and American literature. Special emphasis is given to major writers and their contributions to the novel as a form of art. Prerequisite: EL-104.
- EL-244 Survey of English Literature (5-0)5
A study of English literature from Beowulf through the nineteenth century.
- EL-258 Dramatic Literature (5-0)5
A study and analysis of plays exclusive of Shakespeare. Prerequisite: EL-104.
- EL-263 The Great Romantic Period in Literature (5-0)5
Prose and poetry of the Romantic era with particular emphasis upon the literary and philosophical doctrines in English and American writings. Prerequisite: EL-104.
- EL-320 Shakespeare (4-0)4
A study of selected tragedies, histories, and comedies. Prerequisite: EL-104.
- EL-331 History of the English Language (3-0)3
A study of the development of the English language from the Anglo-Saxon period to modern times.
- EL-340 Contemporary Literature (5-0)5
Selected works representative of major trends in English and American literature of the late 19th and 20th centuries. Prerequisite: EL-104.

FOREIGN LANGUAGES

- FL-109 Introductory Latin (4-0)4
An introduction to the Latin language.
- FL-110 First-Year Latin (4-0)4
A continuation of FL-109.
Prerequisite: FL-109.
- FL-115 Elementary Spanish I (4-0)4
A course in grammar, prose composition, reading and conversation.
- FL-116 Elementary Spanish II (4-0)4
Further study of Spanish with emphasis on reading, composition and conversation.
Prerequisite: FL-115.
- FL-123 Elementary German I (4-0)4
A course in grammar, pronunciation and reading.
- FL-124 Elementary German II (4-0)4
Continuation of FL-123.
Prerequisite: FL-123.
- FL-147 Elementary French I (4-0)4
A course in grammar, prose composition, reading and conversation.
- FL-148 Elementary French II (4-0)4
Further study of French with emphasis on reading, composition and conversation.
Prerequisite: FL-147.
- FL-215 Intermediate Spanish I (3-0)3
A course in second-year Spanish with emphasis on reading and conversation.
Prerequisite: FL-116.
- FL-216 Intermediate Spanish II (3-0)3
Continuation of FL-215.
Prerequisite: FL-215.
- FL-223 Intermediate German I (3-0)3
A continuation of FL-124 with emphasis on reading and conversation.
Prerequisite: FL-124.
- FL-224 Intermediate German II (3-0)3
Continuation of FL-223.
Prerequisite: FL-223.
- FL-247 Intermediate French I (3-0)3
A course in second-year French with emphasis on reading and conversation.
Prerequisite: FL-148.
- FL-248 Intermediate French II (3-0)3
Continuation of FL-247.
Prerequisite: FL-247.
- FL-281 Third-year French (3-0)3
Masterpieces of French literature from LaChanson de Roland to 1715.
Prerequisite: FL-248 or permission of instructor.
- FL-282 Third-year French (3-0)3
Masterpieces of French literature from 1715 to 20th century.
Prerequisite: FL-281 or permission of instructor.

LIBERAL ARTS

(LA-101 through LA-302 are the "core" courses which every student is expected to take.)

- LA-101 Man and the Social World (3-0)3
College orientation and general psychology of a practical nature to help the entering student adjust to college life. The location of the major places of the world. An awareness and general knowledge of the human environment in which the citizen operates.
- LA-102 Man and the Political World (3-0)3
A study of the form and operation of the federal government as a basis for intelligent citizenship. An analysis of the major forces in international relations. A study of the personal financial affairs which every citizen should know.
- LA-103 Man and World Civilization (3-0)3
Fundamental principles of economics with emphasis upon special problems in the field. Beginning the study of the history of world civilization.
- LA-201 Man and World Civilization (3-0)3
A continuation of the study of the history of world civilization.
- LA-211 Man and the Scientific World (3-0)3
Principles and natural laws explaining important scientific concepts. Energy and energy changes. Particle and wave motion. Chemical changes and familiar compounds. Nuclear concepts and atomic energy.
- LA-212 Man and the Scientific World (3-0)3
Weather phenomena and weather prediction, origin of the earth and changes which it is undergoing. Diastrophism and erosion. Rocks and minerals. The solar system. Concepts of matter and space. Advent of life on the earth. Concepts of biology as based on characteristics of living matter.
- LA-301 Man and His Cultural Heritage (3-0)3
A course devoted to the study of the expression of man as revealed in his art and music.
- LA-302 Man and His Cultural Heritage (3-0)3
An examination of man's thought as evidenced in his religious, philosophical and literary works.
- LA-396 Seminar (2-0)2
Students prepare and present a library research paper. Modern trends and literature are emphasized.
Prerequisite: Senior standing and permission of instructor.
- LA-399 Independent Study (1 or 3-0)1-3
Individual research conducted under the supervision of the major professor.
Prerequisite: Approval of Division Chairman.

MUSIC

- Mu-105 Chorus** (0-3)1
Open to all students who can and wish to sing. This course may be repeated three times for credit up to a maximum of 3 credit hours.
Prerequisite: Approval of instructor.
- Mu-110 Band** (0-3)1
Open to all students who are proficient in playing a band instrument. This course may be repeated three times for credit up to a maximum of three credit hours.
Prerequisite: Approval of instructor.
- Mu-131 Music Content** (5-0)5
A correlated course including the study of music theory, ear training, sight singing, harmony, conducting, music history, counterpoint, and orchestration.
- Mu-132 Music Content** (5-0)5
A continuation of Mu-131.
Prerequisite: Mu-131.
- Mu-200 Applied Music** (0-½)1
Individual instruction for one-half hour per week and given by audition only.
- Mu-211 Music Education** (5-0)5
Includes the study of principles and practices in music education and a playing knowledge of all standard band and orchestral instruments.
Prerequisite: Mu-132.
- Mu-212 Music Education** (5-0)5
A continuation of Mu-211.
Prerequisite: Mu-211.
- Mu-316 Music in the Elementary School** (3-0)3
Methods and materials for the elementary school music program.

PHILOSOPHY

- P-271 Philosophy I** (5-0)5
Introduction to logic, semantics, and philosophical thinkings. Designed to develop the ability of critical analysis and to instill the incentive for reliable knowledge.
Prerequisite: Third trimester standing.
- P-272 Philosophy II** (4-0)4
Introduction to philosophical thought. Selected philosophical writing from the early Greeks to the present day.
Prerequisite: P-271.

SOCIAL SCIENCE

- SS-101 History of the Americas (5-0)5
History of Latin America, the history of Canada and the history of the U. S. not contained in the core course from colonial times to the 20th century.
- SS-102 History of the Americas (5-0)5
The republics of the Americas and their problems; inter-American diplomatic, economic, and cultural developments; and the place of Canada and Latin America in the world today.
- SS-110 Ancient History (4-0)4
The civilizations that developed in the Fertile Crescent, Egypt, Crete, Greece, and Rome with particular emphasis on how these have had an effect on Western civilization.
- SS-120 State and Local Government (3-0)3
A study of the history, nature, organization, and operation of state and local governments in the United States.
- SS-210 History of the Middle Ages in Europe (3-0)3
European history from 500 A.D. to the Renaissance.
- SS-213 History of England (4-0)4
Woven around the political experience of England will be emphasized the development of English **institutions**.
- SS-224 History of 20th Century United States and Western Europe (4-0)4
U.S. reaches world leadership; World War I, its causes and effects; the breakdown of collective security; development of dictatorship and crisis of democracy; genesis and consequences of World War II; European cooperation; NATO and the western alliances.
- SS-232 Russia and Satellites (4-0)4
The cultural, political, religious, economic, and social development of the Russian nation; the Communist Revolution; the economic and political philosophy of Communism; and the formerly independent states (particular emphasis on Poland, Czechoslovakia, and the Balkans) now under Communist control or domination (except China).
- SS-251 Introduction to Anthropology (3-0)3
A comprehensive study of general anthropology.
- SS-252 Principles of Anthropology (3-0)3
Ethnology and cultural anthropology emphasized, especially the theoretical problems connected with world languages and writing, the invention, growth, and spread of culture.

- SS-263 Introduction to Sociology (3-0)3**
 A study of culture and its relation to specific social problems.
- SS-271 World Geography (3-0)3**
 An introduction to world geography; physical and cultural regions; development of natural resources.
- SS-275 From the Renaissance to 1900 (3-0)3**
 A course covering the development of modern western civilization from the Renaissance to the beginning of the 20th century.
- SS-309 Elementary School Social Studies (2-0)2**
 Basic concepts related to effective citizenship in a democracy; the nature of critical thinking and group problem-solving; geographical and historical content appropriate to the elementary school. The core function of social studies, scope and sequence methods of instruction, materials and resources for learning.
- SS-314 History of the Southwest (3-0)3**
 A history of the Southwest to the present day. States considered are: Colorado, New Mexico, Arizona, California, Utah and Nevada.
- SS-320 The Near East and Africa (4-0)4**
 The cultural, political, religious, economic, and social development of the Arab nations and Israel; the impact of the colonial nations on the control of the economic resources and the highways of transportation; the British and French colonies; and the rise of Africa south of the Sahara.
- SS-328 Southern and Eastern Asia (4-0)4**
 A survey of the cultural, political, religious, economic, and social progress from the earliest times; the impact of the Western powers especially on Japan, China, and Korea. The newly developing states of Southeastern Asia, including Laos, Cambodia, Viet-Nam and Indonesia. The place and influence of Southeastern Asia in the world today.

REQUIRED EDUCATION COURSES FOR THOSE WHO WISH TO TEACH

REQUIRED OF ALL TEACHER CANDIDATES

	Credit Hours
Education in America	3
Educational Psychology and Measurements	4

ADDITIONAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN SECONDARY SCHOOLS

Secondary Education	4
Methods of Teaching	2
Observation and Student Teaching in the Secondary School	8

ADDITIONAL REQUIREMENTS FOR THOSE WHO WILL TEACH IN ELEMENTARY SCHOOLS

Language Arts in the Elementary School	3
Reading in the Elementary School	2
Arithmetic and Science in the Elementary School	4
Elementary Education	4
Elementary School Social Studies	2
Art in the Elementary School or Music in the Elementary School	3
Observation and Student Teaching in the Elementary School	8
Children's Literature	4
Approved mathematics course	4
General Psychology	3
Child and Adolescent Psychology	3
History of the Americas (two courses)	10
Additional hours in English	12
Additional hours in history	2





GENERAL
FORMATION
BULLETIN

DURANGO • COLORADO

The Trimester College of the Rocky Mountain West

Fort Lewis College