

New Mexico Military Institute

A Commission in Two Years
A Solid Academic Preparation

**NEW MEXICO MILITARY INSTITUTE
ROSWELL, NEW MEXICO 88201**

Member of

American Association of Junior Colleges
American Association of Military Schools and Colleges
North Central Association of Colleges and Secondary Schools

Accredited by

Department of Education, State of New Mexico
North Central Association of Colleges and Secondary Schools. High school
accredited as college preparatory.

Department of the Army as a Military Junior College offering JROTC and
SROTC Programs. Honor school with distinction (or its equivalent) since
1909.

For further information contact:

Director of Admissions
New Mexico Military Institute
Roswell, New Mexico 88201
(505) 622-6250 Ext. 203

CONFIDENTIALITY AND ACCESS OF STUDENT RECORDS

Student records are released only for use by faculty and professional staff for authorized college-related purposes. The release of student records for off-campus use occurs only with student's knowledge and consent, or where required by law.

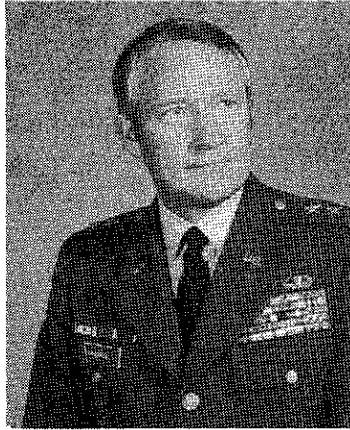
A student's record is open for inspection by the student's parents or guardians if the student is under eighteen years of age. The rights of the parents are transferred to the student when the student becomes eighteen.

The Registrar is the custodian of a student's academic record. A student's academic record may include application for admission information, residency certificate, immunization certificate, date of school entry, student schedules and schedule changes, academic work completed, standardized achievement test scores, transcripts from previous schools attended, and various Veteran's Administration forms.

Public information which may be released upon request includes a student's home address, local address, telephone number, date and place of birth, major, dates of attendance, height, weight, scholastic achievement, degree (if any) and date of graduation. If a student does not wish for this public information to be released, he is responsible for notifying the Registrar during the first two weeks of classes in each semester.

EQUAL OPPORTUNITY POLICY

NMMI is open to all persons regardless of race, color, religion, sex or national origin who are otherwise eligible for admission as students. The college is an Equal Opportunity Employer and no applicant or employee will be discriminated against because of race, color, religion, sex, or national origin concerning employment or during the course of employment at this institution.



SUPERINTENDENT'S MESSAGE

New Mexico Military Institute is a military school devoted to the development of each cadet in the academic, leadership and athletic phases of our curriculum. The primary aim of New Mexico Military Institute has not changed significantly since its founding in 1891 as Goss Military Institute and establishment by the Territory in 1893 as New Mexico Military Institute, and a quote from the 1893 catalog is as valid today as it was then:

"It is the aim of this school to unite a careful scholastic training with physical vigor and healthy moral tone. Experience has proved that this end can be more fully attained in a school where the discipline is military than where it is not. The objective of the course of instruction is not to send out into the world a perfect soldier full-fledged, but to give the student a sure foundation theoretically and practically, so that he can make of himself what he may be capable of, to teach him the true significance of discipline, to instill in him the habits of regularity, to inspire him with a desire to increase his knowledge and, above all, to imbue him with that love of truth and honesty which will cause him to hold his good name above all that the world has to offer."

The curricula of both college and high school are based on the assumption that New Mexico Military Institute students plan to continue their education and graduate from a senior college or university. The Institute faculty and staff continually strive to provide the very best instruction and very finest in facilities in order to create an atmosphere that is intellectually inspiring.

GERALD CHILDRESS
Major General, NMMI
Superintendent

Denver

LOCATION

Roswell is located in the southeastern part of New Mexico in an area of almost perfect weather year around.

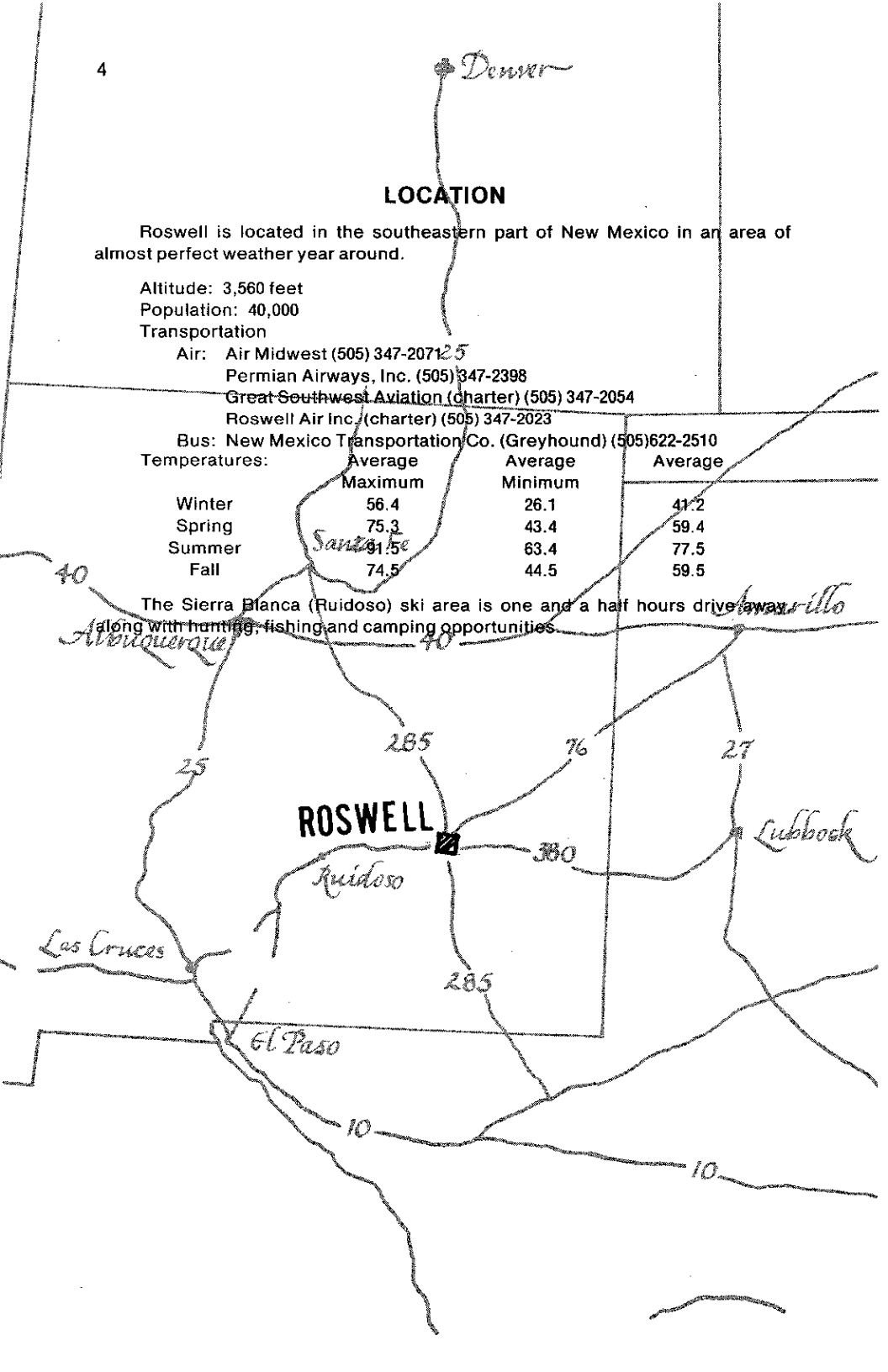
Altitude: 3,560 feet
 Population: 40,000
 Transportation

Air: Air Midwest (505) 347-2071²⁵
 Permian Airways, Inc. (505) 347-2398
 Great Southwest Aviation (charter) (505) 347-2054
 Roswell Air Inc. (charter) (505) 347-2023

Bus: New Mexico Transportation Co. (Greyhound) (505) 622-2510

Temperatures:	Average Maximum	Average Minimum	Average
Winter	56.4	26.1	41.2
Spring	75.3	43.4	59.4
Summer	81.5	63.4	77.5
Fall	74.5	44.5	59.5

The Sierra Blanca (Ruidoso) ski area is one and a half hours drive away along with hunting, fishing and camping opportunities.



ROSWELL

Ruidoso

Lubbock

Las Cruces

El Paso

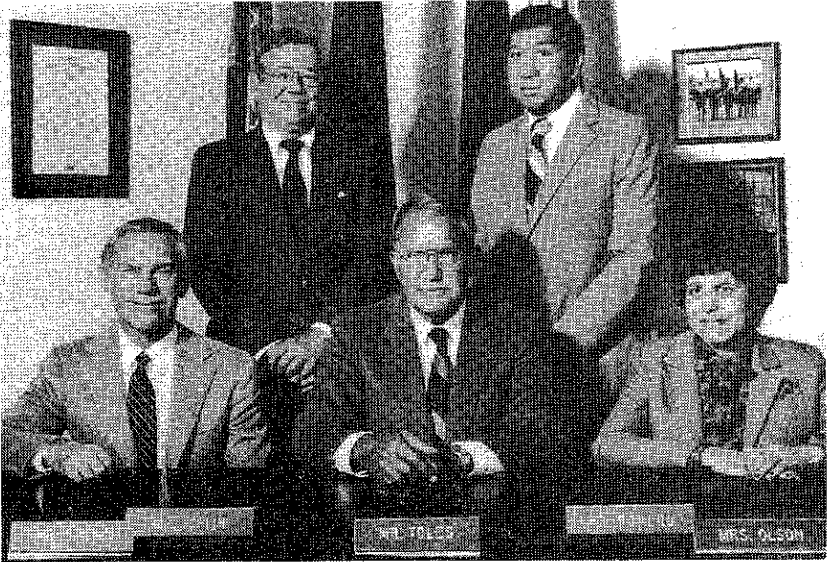
Santa Fe

Albuquerque

TABLE OF CONTENTS

ACCREDITATION	1
SUPERINTENDENT'S MESSAGE	3
BOARD OF REGENTS POLICY STATEMENT	7
HISTORY OF NEW MEXICO MILITARY INSTITUTE	9
LEADERSHIP AND DISCIPLINE	11
Class Designations at NMMI	12
Honor System	12
Typical Class Day	12
Furloughs	12
ADMISSION	14
Requirements for Admission to the High School Division	14
Requirements for Admission to the College Division	15
Procedures for Application for Admission	15
FINANCIAL ASSISTANCE	16
Federal and State Assistance Programs	16
Scholarships	17
ACADEMICS	18
Organization of the Academic Program	18
Authority in Academic Affairs	18
Release of Transcripts	19
Academic Requirements and Policies	19
Transfer of High School Credits	20
Transfer of College Credits	20
Graduation Requirements	20
High School Diploma	20
Junior College	22
College Areas of Concentration	23
Course Suggestions for College Based on Proposed Majors	26
Graduation Procedures	31
Continuing Education	31
Normal Class Loads	31
Class Drop-Add Procedures	30
Music Limitation	30
Grading Policies	30
Academic Suspension, Withdrawal and/or Dismissal Policy	32
Academic Advisement	32
The Student Assistance Center	33
Counseling Center	33
Developmental and Corrective Reading Programs	34
Scholastic Tests	34
College Level Examination Program (CLEP) Credit by Challenge	34
Honor Societies	35
College Courses	36
High School Courses	55

ROTC PROGRAM.....	65
Advanced Course Army ROTC	65
Basic Course Army ROTC	67
Junior ROTC	67
Service Academies	68
Army ROTC Scholarships	68
ATHLETICS	69
Physical Education	69
Intramurals.....	69
Varsity Athletics.....	69
FINANCIAL CHARGES AND PAYMENT POLICY	71
OFFICERS OF ADMINISTRATION AND FACULTY	77
Insert (by school year)	
Current fees and charges	
School year calendar	
Errata	



BOARD OF REGENTS POLICY STATEMENT

1. New Mexico Military Institute is primarily an academic institution operating within the framework of a military environment.

2. The junior college is primarily designed to prepare students for transfer to four-year colleges and universities. However, career programs for the student whose goal is not necessarily college transfer are available. An Associate in Arts degree is awarded to qualified graduates.

3. The high school curriculum is designed basically for those students planning to pursue a college course of study after graduation.

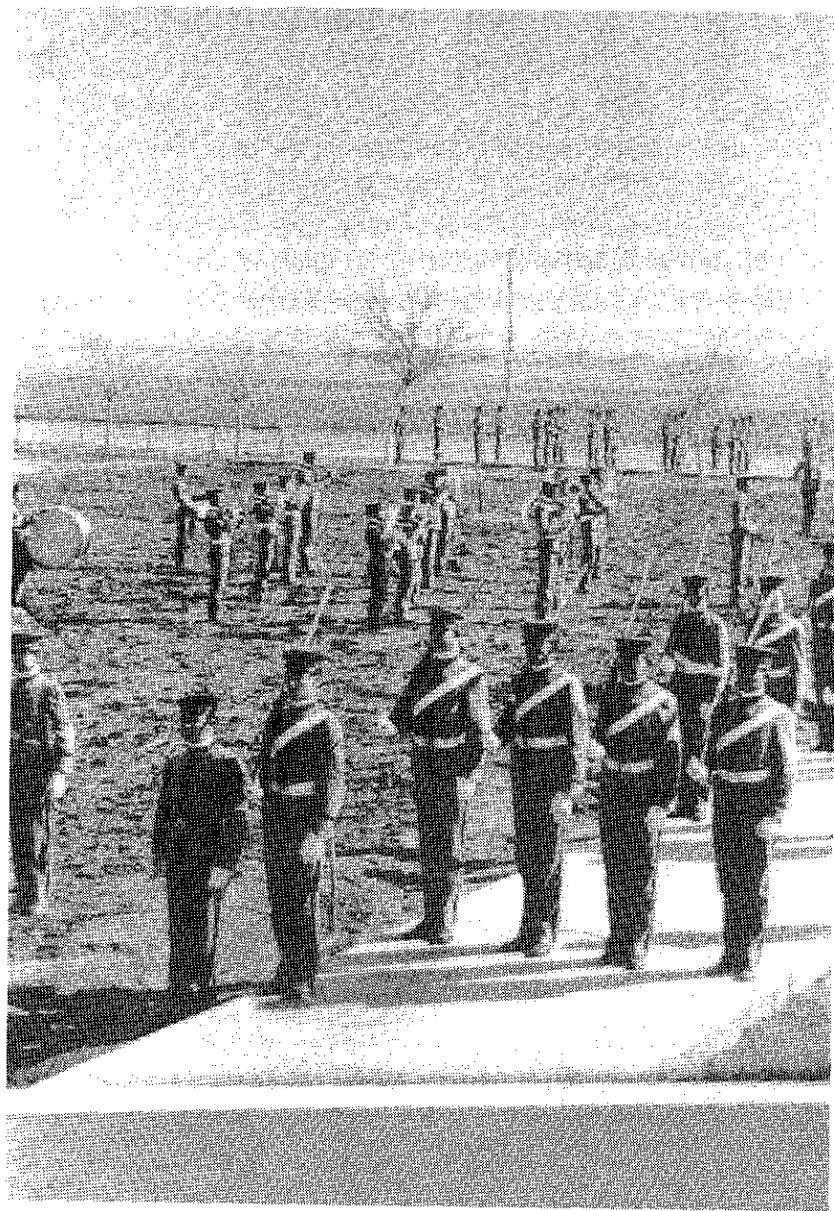
4. Members of the staff and faculty are selected for their professional qualifications and their willingness to work in a program that is both academic and military.

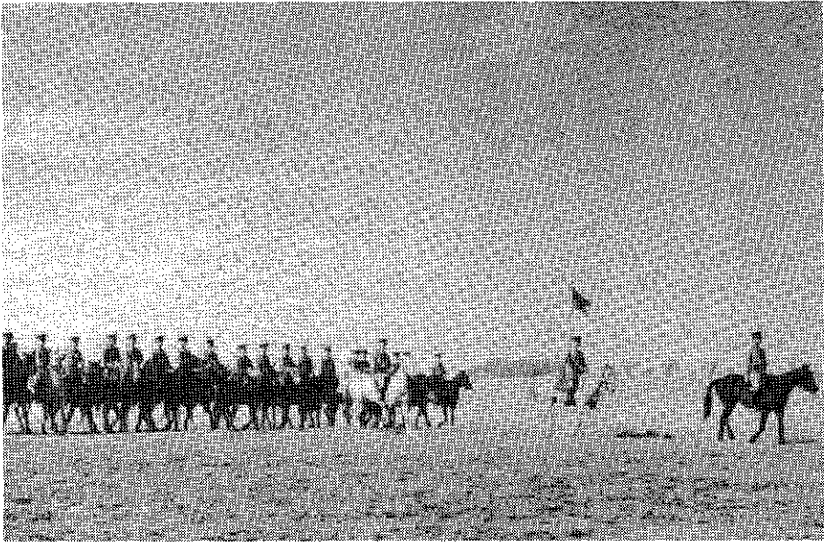
5. Every effort is made to instill integrity through an honor system and to develop individual responsibility.

6. Students are both instructed in and offered opportunities to practice the principles and techniques of good leadership. Only students in full residence may be members of the Cadet Corps.

7. As a general policy, cadets at New Mexico Military Institute are required to attend non-denominational chapel once weekly unless specifically excused. Chapel services are conducted at the Institute at such times as to permit and encourage cadets to attend other church services of their choice in Roswell.

8. All full-time students are required to be unmarried resident members of the Cadet Corps and to participate in military science and physical education activities.





HISTORY

Roswell, New Mexico, dates back to 1866 when it was a cowboy outfitting station on the Chisum Trail and, at that time, called Rio Hondo. It acquired a post office in 1873 and was then named Roswell. At the time there was no institution of higher learning in eastern New Mexico and only one in the entire New Mexico Territory—St. Michael's, founded in 1859. This area of New Mexico around Roswell was the historic border area between the Comanche and Mescalero Apache tribes, making settlement relatively late.

On September 3, 1891, the Goss Military Institute was founded in Roswell through the efforts of Captain J.C. Lea and Colonel and Mrs. Robert S. Goss. It was the first school in New Mexico to adopt military features and had an initial enrollment of twenty-eight pupils.

The Institute was made a territorial school and the name changed to New Mexico Military Institute on February 23, 1893. There were no funds appropriated for the first two years. However, on February 13, 1895, an appropriations bill was passed by the Territorial Legislature. The legislation provided for a bond issue and maintenance monies contingent on a land grant of forty acres. Mr. J.J. Hagerman deeded a forty-acre plot situated on North Hill to the school in 1895.

New Mexico Military Institute, after suspending operations in 1895, reopened at its present location on September 6, 1896, in a new \$12,000 physical plant with 105 students, including thirteen ladies. The curriculum consisted of eight years of academic work and the students were organized into two companies.

The New Mexico Military Institute was designated by the War Department on June 25, 1909, as one of ten distinguished military schools of the nation, and it has

received that distinction continuously since 1909.

The junior college was inaugurated on September 6, 1915. The Institute now had four years of high school and two years of college and thus became a pioneer among the junior colleges of the nation. The school became a member of the Reserve Officers' Training Corps on December 13, 1916, with an enrollment of 203 cadets.

During World War I (1917-1919), the Institute sent 320 alumni, to include 163 officers, into the services. New Mexico Military Institute was changed from a battalion of infantry to a squadron of cavalry in October 1920, and the first horses arrived during Christmas furlough that year. In 1930 the Institute was first accredited by the North Central Association of Colleges and Secondary Schools.

During World War II the Institute had 2,268 alumni in the armed forces with 1,735 of these being commissioned officers. John C. Morgan (Class of 1935) received the Medal of Honor and sixteen alumni received Distinguished Service Crosses.

In 1946 the Senior ROTC horse cavalry unit was changed by Department of the Army to an armored cavalry unit. Five M-24 light tanks and miscellaneous other vehicles were added for military training. The school retained its horses for cadet activities, horsemanship, and polo. In 1954, polo was discontinued at New Mexico Military Institute and all horses were disposed of at that time. In that same year, the ROTC course emphasis went from an armor branch orientation to a General Military Science program.

In 1949, New Mexico Military Institute inaugurated a four-year liberal arts college offering baccalaureate degrees specializing in preparing students for government service. The Institute's ROTC classification was changed in 1951 from a Military Junior College (MJC) to a Military Institute (MI) unit for the high school and a Military College (MC) for the college division, thus making New Mexico Military Institute one of the nine military colleges in the United States at that time. This four year college program was discontinued in 1956 and NMMI was redesignated a MJC. The complete academic curriculum presently includes a three-year senior high school and a two-year junior college. Qualified graduates of the Institute are now commissioned second lieutenants in the United States Army Reserve on graduation.



LEADERSHIP AND DISCIPLINE

The Corps of Cadets at NMMI operates under a cadet chain of command, headed by a Cadet Regimental Commander, under the supervision of the Commandant of Cadets. Working closely with him are officers of his staff and officers and noncommissioned officers of the US Army in the Military Science Division. Upon enrollment, new cadets become part of the Corps under the traditional new cadet-old cadet system. New cadets will be assigned to rooms in the Barracks with fellow new cadets of the same academic year. They will march to meals and other formations with their Troops. As a new cadet, the student is held to the highest standards and is indoctrinated in the shortest possible time in the following areas:

1. Military bearing and appearance
2. Self-control and self discipline
3. Respect for authority
4. Attention to detail
5. Knowledge of NMMI customs, traditions and regulations
6. Organization and use of one's time
7. Honor System
8. Social etiquette
9. Ethical and moral standards expected of a cadet

The Yearling (second year in high school, second semester in college) is placed in a less stressful environment and may be given supervision over new cadets in his unit, but will have very little authority over new cadets not assigned to his unit. It is during this period that the cadet is carefully coached and evaluated on his leadership abilities.

The old cadets are the leaders in the Corps, having the responsibilities of training the new cadets and monitoring and helping the progression of the yearlings. Old cadets lead primarily by example.

CLASS DESIGNATIONS AT NMMI

Fifth Class (equivalent to high school sophomore). A student must have completed five academic units that apply toward the high school diploma. English I must be one of the units submitted.

Fourth Class - (equivalent to high school junior). A cadet must have completed ten academic units that apply toward the high school diploma.

Third Class - (equivalent to high school senior). A cadet must have completed fifteen academic units that apply toward the high school diploma.

Second Class - (equivalent to college freshman). The student must have a high school diploma or its equivalent from an accredited high school.

First Class - (equivalent to college sophomore). A cadet must have completed 32 academic units that apply toward the Associate degree.

HONOR SYSTEM

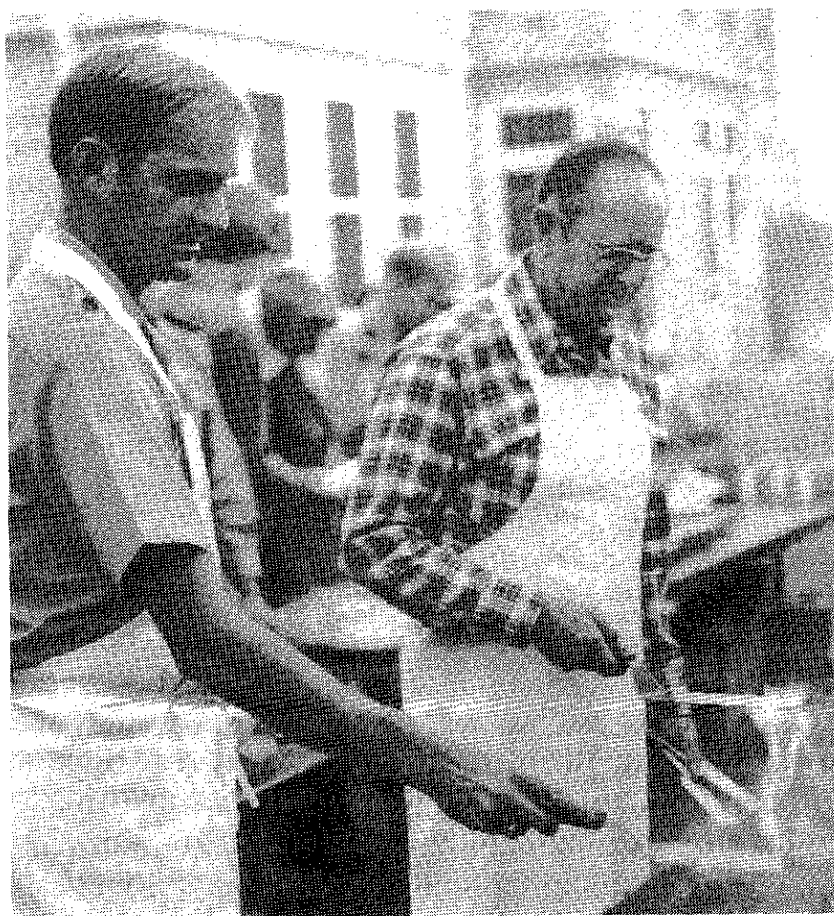
The Honor Code and Honor System of the Corps of Cadets at NMMI belongs to the Corps of Cadets but operates under the sanction of the Commandant of Cadets. Simply stated, a cadet is expected not to lie, cheat or steal; nor to tolerate those who do. This is serious business with the Corps of Cadets and violations of the code will result in serious disciplinary action or dismissal based on the recommendations of the Cadet Honor Board as finally determined by the Commandant of Cadets. New cadets are fully indoctrinated on all aspects of the honor system but prospective cadets are encouraged to think out carefully the implications of non-tolerance before joining the Corps.

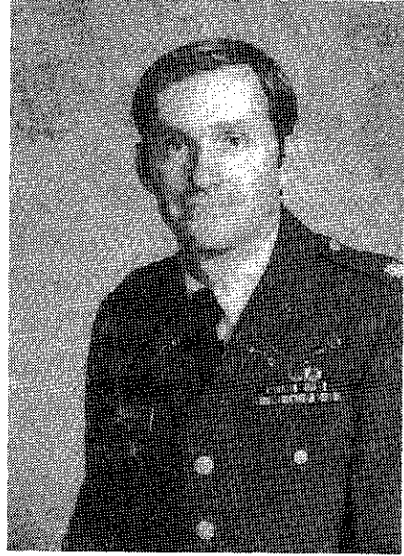
TYPICAL CLASS DAY

6:00	First Call
6:15	Breakfast
8:00 - 2:50	Academic Classes
11:00 - 1:00	Noon Meal
3:00 - 3:45	Drill (Monday and Thursday)
3:00 - (as needed)	Tutoring, extra instruction, counseling (Tuesday and Wednesday)
4:00 - 5:30	Varsity Sports
4:00 - 5:30	Intramurals (Monday and Thursday)
6:25	Retreat
6:30 - 7:15	Evening Meal
7:30 - 9:30	Study Hall
9:45	Call to Quarters
10:00	Lights out

FURLOUGHS

A furlough is the time a cadet may leave NMMI to go home. Furloughs are directly related to activities, grades or department. A cadet whose grades or department falls below a "C" average loses his furlough privilege. Furloughs are only taken on specific weekends designated by the Commandant of Cadets. The three major furloughs during which all cadets may leave NMMI for more than three days are the Mid-Fall break, the Christmas furlough and the Spring break.





REQUIREMENTS FOR ADMISSION TO THE HIGH SCHOOL DIVISION

A prospective cadet must have completed at least the ninth grade year without deficiencies. Entrance examinations are not required. Personal interviews are not necessary for fully qualified applicants; however, applicants and their parents are welcome at the Admissions Office for personal interviews. Appointments can be arranged between 8:00 A.M. and 4:00 P.M., Monday through Friday.

An applicant must have demonstrated the ability to perform at least average work academically as demonstrated by a cumulative grade point average of "C" (2.00) or better. A student with less than a cumulative grade point average of 2.00 may apply for individual consideration.

Accepted applicants are placed in classes at New Mexico Military Institute in accordance with the number of academic subjects successfully completed at the time of initial enrollment. While these will normally correspond with the high school classes of the student in his/her local high school, successful completion of the required courses in the curriculum of New Mexico Military Institute will not be waived.

When the high school student completes $18 \frac{3}{4}$ units of the 20 units required toward graduation, the cadet may also be given the opportunity to take college level courses concurrently with high school courses.

New students are admitted only at the beginning of the fall and spring semesters at New Mexico Military Institute.

REQUIREMENTS FOR ADMISSION TO THE COLLEGE DIVISION

To be admitted to the college division of New Mexico Military Institute an applicant must be a graduate of an approved high school and have acceptable scores on the American College Test (ACT). In some cases, a candidate with an acceptable score on the General Education Development (GED) examination may be accepted. Since the ACT is required of all entering students in the junior college, students who do not have ACT scores on file prior to new cadet testing will be required to take an ACT Residual during that period.

New students are admitted only at the beginning of the fall and spring semesters at New Mexico Military Institute.

For those cadets seeking a commission, please refer also to pages for admissions requirements into the Contract Senior ROTC Program leading to a US Army Reserve Commission.

Foreign students whose primary language is not English must have a score of 500 or better in the Test of English as a Foreign Language (TOEFL) for admission, and may substitute this test for the ACT.

PROCEDURES FOR APPLICATION FOR ADMISSION

Cadets must be physically* and mentally sound and meet the academic requirements for admission. The following procedures should then be followed:

The application for admission should be completed and returned with a check for \$60.00 (payable to NMMI) to the Admissions Office (\$10.00 of this amount is an application processing fee and is not refundable). The remaining \$50.00 is a deposit and is subject to the conditions set forth on the application. Under some circumstances, the deposit may be waived by the Director of Admissions.

Have your family physician fill out the medical forms and return them to the Admissions Office.

Have your school send a transcript of all previous school work.

If you are a college applicant, send your ACT or SAT scores (if available).

If you are a former NMMI cadet, apply for readmission by submitting a request for re-enrollment signed by your parent or guardian (or yourself if you are 18 years of age or older). Include with the request a deposit of \$50.00 before spring re-enrollment deadline application. If the request for readmission is not granted the \$50.00 will be returned to you.

*Physical fitness is a continuing requirement in order to participate fully in the Institute's programs. Chronic or acute disabilities existing prior to or subsequent to matriculation are causes for dismissal.



FINANCIAL ASSISTANCE

The New Mexico Military Institute operates an extensive program of student financial assistance. The program revolves around two distinctive areas. One area involves the various federal student aid programs and requires proven student need. Cadets or prospective cadets with a genuine financial need may secure information by contacting the Director of Financial Aid, New Mexico Military Institute. These programs are limited to college level cadets. The second area of assistance is provided by an institutional scholarship program available to both high school and college cadets.

THE FEDERAL AND STATE ASSISTANCE PROGRAMS

The student aid programs which are funded by the federal government are limited by law to college level students. The programs are available to those students who provide evidence of need for this assistance in order to attend college. Therefore, a family need analysis is part of the application process. Approximately 75% of the college cadets at New Mexico Military Institute receive assistance from these programs. The application deadline is April 1st with assistance awarded after that date dependent upon continued availability of funds. The federal assistance programs utilized by New Mexico Military Institute cadets include:

1. Pell Grant. (Basic Educational Opportunity Grant). All college students may apply for the Pell Grant. It is a requirement at New Mexico Military Institute that students applying for assistance from any of the federal programs must apply first for the Pell Grant (BEOG). The amount of the grant may range from \$50 to \$1900.
2. Supplemental Educational Opportunity Grants. New Mexico Military Institute has a limited number of these grants available for students with proven need.
3. National Direct Student Loan. Students with substantiated need may receive loans up to \$1500 for each year of junior college. The loans carry an interest rate of 4%. Repayment begins six months after the student ceases to be a student in any college or university, or authorized deferment.

4. **Federally Insured Student Loan and Guaranteed Student Loan.** Students may borrow up to \$2500 annually at 9% interest. The federal government pays the interest while the student is enrolled in college. Repayment begins six months after the student leaves college or completes deferment. The loan is secured from a participating bank, savings and loan agency, or credit union with New Mexico Military Institute certifying the cost of education and degree of student need. A number of states have also instituted student loan programs for students in those states. These programs are also governed by the regulations of the Federally Insured Student Loan Program and Guaranteed Student Loan. Many families whose need is not sufficient to qualify for the N.D.S.L. may qualify for this program.

5. **Parents Loans for Undergraduate Students (PLUS).** Parents may borrow up to \$3000 per undergraduate dependent child, not to exceed cost of attendance minus any other financial assistance, with a cumulative maximum of \$15,000 per child. Interest rate on PLUS is 9% and repayment is required to begin within 60 days after disbursement. This program is governed by the Guaranteed Student Loan regulations.

6. **New Mexico Student Loan Program.** This program is governed under regulations of the Federally Insured Student Loan Program and is administered by the New Mexico Student Loan. Loans are made up to \$1500 per year and are limited to New Mexico residents.

7. **College Work-Study Program.** Students are employed on campus during their free time. Students work on the average of six to ten hours weekly and are paid the current minimum wage.

8. **State Student Incentive Grant.** This program is the most recent student assistance program. It provides grants of \$200 to \$800 for especially needy college students who are residents of the state of New Mexico.

SCHOLARSHIPS

The scholarship program at New Mexico Military Institute is the result of endowments made by individuals and organizations interested in NMMI and its cadets. Scholarships vary from those whose criteria are very specific to those which are quite liberally expressed. Many are strictly competitive on academic performance while others are awarded on the basis of need. Both high school and college cadets are eligible to apply for NMMI scholarships. Applications are mailed out to parents/guardians of enrolled cadets in December with an application deadline of 31 January. Applications for prospective cadets are mailed out as part of the application process. (Refer to page 68 for information regarding US Army ROTC scholarships).



ACADEMIC AFFAIRS

ORGANIZATION OF THE ACADEMIC PROGRAM

Academic offerings are grouped into six divisions. Division heads, acting under the Dean, exercise close supervision over course content and instructional procedures. The divisions are: Natural Sciences and Mathematics, including physical science, chemistry, biology and mathematics; Humanities, including English, foreign languages and fine arts; Social Sciences, including social studies and business administration; and the Health, Physical Education and Recreation Division. A Military Science Division offers both junior (high school) and senior (college) ROTC programs. These programs are operated by active duty and retired officers and noncommissioned officers of the Department of the Army. The Continuing Education program constitutes a sixth division which places special emphasis on banking, real estate, law enforcement and life enrichment courses.

Courses are offered leading to the high school diploma and the associate degree in arts. Preprofessional curricula at the college level address concentration areas in pre-med, pre-vet, pre-engineering, and pre-law.

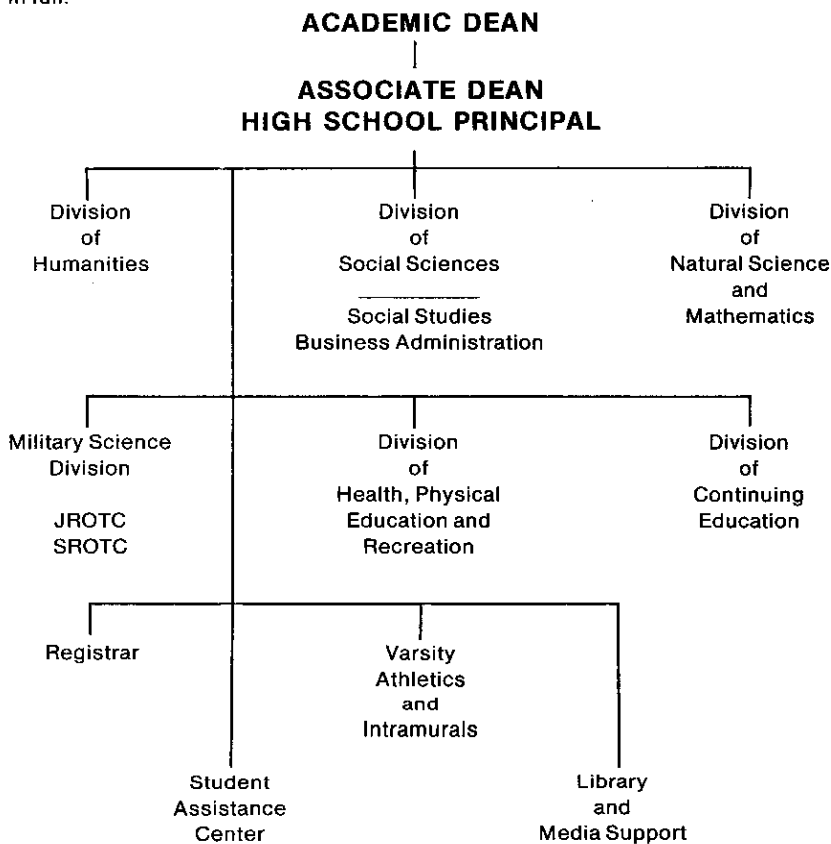
It is emphasized that the Institute's academic programs are identified by the North Central Association of Secondary Schools and Colleges as "College Preparatory". The Institute does not offer vocational technical programs.

AUTHORITY IN ACADEMIC AFFAIRS

The High School Principal (Associate Dean) shall have final authority in academic matters pertaining to high school cadets. The Academic Dean has similar responsibilities with respect to college level cadets.

RELEASE OF TRANSCRIPTS

Every cadet should understand that upon matriculation (the signing of the roll book by the cadet) the cadet will obligate himself to the full year's tuition, fixed fees and such auxiliary costs as are levied according to the New Mexico Military Institute statement of charges. The cadet should understand that transcripts of academic credit will not be provided until all tuition and fees are paid in full.



*Chaplain
Director of Institutional Studies

ACADEMIC REQUIREMENTS AND POLICIES

New Mexico Military Institute is first and foremost a strong academic institution. The policies in the academic area are designed to underscore this fact and to maintain the strong reputation of the degrees and diplomas held by NMMI graduates.

TRANSFER OF HIGH SCHOOL CREDITS

High school level cadets may transfer credits from other high schools provided that a passing grade was attained in each course transferred. Credit for such courses will be valued at a level which conforms to the credit granted at New Mexico Military Institute for similar courses. The high school graduation requirements prescribed by NMMI must be completed by all of its graduates.

TRANSFER OF COLLEGE CREDITS

New Mexico Military Institute accepts credits transferred from other accredited colleges and universities as long as a grade of C or better is earned for the course or courses. New Mexico Military Institute reserves the right to determine whether courses earned elsewhere meet NMMI graduation requirements or are accepted as elective credits.

With the exception of some corrective course credits, NMMI credits are transferable to any university in the nation.

GRADUATION REQUIREMENTS

High School Diploma: Twenty units of credit are required for graduation. Additionally, the American College Test (ACT) is a requirement for the high school diploma. A student whose clear intention is to attend a college or university which requires the Scholastic Aptitude Test (SAT) for admission may elect to substitute that test for the ACT with the concurrence of the Associate Dean (High School Principal). A student who is not a citizen of the United States and whose primary language is not English may elect to substitute the Test of English as a Foreign Language (TOEFL) for the ACT with the concurrence of the Associate Dean.

English 1, 2, 3, and 4. Successful completion of a semester course generates $\frac{1}{2}$ unit. Four units are required. Mass communication courses or similar useful English courses do not meet the English requirements.

Mathematics. Successful completion of a semester course generates $\frac{1}{2}$ unit. Two units are required. Algebra I is mandatory. The other unit may be any high school mathematics course (e.g., pre-algebra, geometry, trigonometry).

Science. Successful completion of a semester course generates $\frac{1}{2}$ unit. Two units of a laboratory science beyond the 9th grade are required. At least one of these units must be biology, chemistry or physics. The other unit may be biology, chemistry or physics, or may be elected from earth science or agriculture. Each of these units must comprise a full year of the science elected.

Foreign Language. Successful completion of a semester course generates $\frac{1}{2}$ unit. Two of one language are required.

Social Science. Successful completion of a semester course generates $\frac{1}{2}$ unit. Two units are required, one of which must be United States History. One-half unit must be government and the remaining $\frac{1}{2}$ unit can be selected from any other social science course. The semester course in government will meet the government requirement; this course is normally taken during the junior or senior year in high school.

Leadership Development. Each LD course generates $\frac{1}{4}$ unit. One-half unit is required, and a maximum of two units is allowed to meet the overall 20-unit graduation requirement. Enrollment in LD courses taught in the JROTC program is required in each semester of attendance at NMMI.

Physical Education. Completion of a one semester PE activity generates $\frac{1}{4}$ unit of credit. One-half unit is required for graduation; however, a cadet must enroll in a physical education activity each semester he/she is in attendance. If a cadet enrolls in the Independent Living course, simultaneous enrollment in a PE activity is not required.

Cadets who graduate with the class of 1982 and in subsequent years must successfully complete the Independent Living Health Course ($\frac{1}{2}$ unit).

Intramural participation is mandatory each semester. No academic credit is awarded. Members of NMMI athletic squads do not participate in intramurals while they are on the squad. When the team season is over, or if an athlete is dropped from the team, the cadet will be reported to the HPER Department Head and Commandant for reassignment to the intramural program.

Neither the same PE course nor the same intramural activity can be taken twice.

Electives. After the requirements listed above have been satisfied, elective courses not to exceed the maxima in a given field may be taken to complete the 20 unit graduation requirements, with this proviso: more than two units credit in band is not allowed. (Successful completion of one semester of band generates $\frac{1}{4}$ unit).

Residence Requirements. A third class new cadet must earn a minimum of two units credit at NMMI and spend two semesters in residence. A maximum of one unit credit earned after leaving the Institute may be submitted to fulfill graduation requirements. The appropriate academic division head and the High School Principal must approve post-NMMI courses to meet graduation requirements.

Summer or correspondence work from accredited schools is recognized, but no more than two units may be earned for transfer to NMMI. Exceptions to this policy must be approved by the High School Principal. Private tutoring is not recognized as a source of credit.

Failure to earn a grade point average (GPA) of at least 2.00 for courses taken at NMMI may be considered by the Admission Board as grounds for refusal to admit a cadet to the second class (college freshman).

The length of time it will take an entering student to satisfy the requirements of the high school diploma will depend on the number of acceptable units submitted on entrance. An entering fifth classman (sophomore) will have three years to accumulate the required units, whereas an entering third classman (senior) may find that completion will take longer than a year's time. This fact must be recognized by all entrants who expect to earn a high school diploma. However, an old cadet who lacks but one and one quarter units of completion in the third class may, with the Dean's approval, take a maximum of nine semester hours credit at the college level. Thus, a cadet may satisfy the requirement for the high school diploma while enrolled primarily in college subjects.

Junior College: Junior college cadets who are planning to continue for their baccalaureate degree should plan to complete requirements for the Associate of Arts degree.

The requirements for the Associate of Arts degree are:

Residence: Minimum requirement for resident as a college-level student is one year. For part-time evening college students the last 15 credit hours must be acquired at NMMI.

Semester Hours: Minimum of 68 hours is required, no more than 12 of which can be in Military Science. Credit toward the degree will be allowed for the completion of half a full year's (sequence) courses (except Military Science IV). Credit may be transferred from other accredited schools if the courses are acceptable and if the grades are a "C" or better.

Required Subjects: The core curriculum of required courses is:

English. Six semester hours of English courses only (to include EN 101).

Mathematics. Three semester hours (MA 111 or higher).

Laboratory Science. Eight to ten semester hours (full year of a single lab science).

Social Science. Nine semester hours (including HI 211 and 212).

Humanities or Foreign Language. Six to eight semester hours (if a language is chosen, a full year of a single language is required).

Physical Education. One hour of PE courses for at least two semesters to accumulate two semester credit hours. A maximum of 4 credit hours of activity PE may be used toward the fulfillment of degree requirements. Intramural activities are required each semester, but these activities do not generate credit hours. However, the intramural activity need not be attended by cadets who are members of an NMMI athletic team during the semester that sport is in season. Neither the same PE course nor the same intramural activity may be taken twice.

Military Science. Eight to twelve semester hours.

NOTE: Recommended courses beyond the required core will be specialized in each area of concentration (college major).

Grade Point Average. A minimum grade point average of 2.00 is required for the last three semesters of junior college work or a 2.00 for the total residency, whichever is higher.

Academic credit to meet graduation requirements may be acquired elsewhere and entered on one's transcript at the Institute. Cadets who contemplate this action should check with the concerned academic department head to assure that the course to be taken elsewhere does indeed meet Institute academic criteria. For college cadets a maximum of six semester hours or two college courses from an accredited institution may be transferred to NMMI to meet graduation requirements after leaving the Institute. Equivalent Institute courses must be identified and a grade of "C" or better is required. (See also section above on associate degree graduation requirements.)

COLLEGE AREAS OF CONCENTRATION

In addition to the core curriculum, areas of concentration have been established. Cadets who are sure of their college major should follow the appropriate area of concentration.

SCIENCE CONCENTRATION

Core Requirements:

See page 22 for Junior College Graduation Requirements.

Recommended Courses:

Biology majors should include as many of the following courses as possible in their academic program.

Botany 209 (Plant Biology)
 Botany 210 (The Plant Kingdom)
 Zoology 213 (Biology of the Invertebrates)
 Zoology 214 (Biology of the Vertebrates)
 Chemistry 113-114 (Inorganic Chemistry & Qualitative Analysis)
 Chemistry 213-214 (Organic Chemistry)
 Math 138 (Calculus with Applications)

Agriculture and Environmental Science majors should include as many of the following courses as possible in the academic program:

Botany 209 (Plant Biology)
 Zoology 214 (Biology of the Vertebrates)
 Agriculture 101 (Introduction of Animal Science)
 Agriculture 102 (Feeds and Feeding)
 Agriculture 110 (Agronomy)
 Horticulture 132 (General Horticulture)
 Chemistry 111-112 (General Chemistry)

Chemistry majors should include as many of the following courses as possible in their academic program:

Chemistry 113-114 (Inorganic Chemistry & Qualitative Analysis)
 Chemistry 213-214 (Organic Chemistry)
 Mathematics 191-192 (Calculus 1 and 2)
 Biology 101-102 (General Biology)
 or
 Botany 209 (Plant Biology) and Botany 210 (The Plant Kingdom)

LIBERAL AND FINE ARTS CONCENTRATION

Core Requirements

See page 22 for Junior College Graduation Requirements.

Recommended Courses:

Those students planning to major in one of the liberal or fine arts such as English, History, Political Science, Sociology, Psychology, Law Enforcement, Languages, Art or Music should take a course in that area each semester at NMMI plus other courses from closely supportive fields. Majors in these areas should also be aware that two years of foreign language are required of them by most universities. They should seriously consider beginning that language study at NMMI.

MEDICAL CAREERS CONCENTRATION**Core Requirements**

See page 22 for Junior College Graduation Requirements.

Recommended Courses:

Those students preparing for medically oriented fields (pre-med, pre-dentistry, pre-veterinary medicine) should plan to include as many of the following courses as possible in their academic programs.

Chemistry 113-114 (Inorganic Chemistry & Qualitative Analysis)
 Biology 101-102 (General Biology)
 Chemistry 211 (Basic Organic Chemistry)
 Zoology 213 (Biology of the Invertebrates)
 Zoology 214 (Biology of the Vertebrates)
 Biology 216 (Human Anatomy & Physiology)
 Physics 111-112 (College Physics)
 Mathematics 191-192 (Calculus 1 and 2)

MATH OR ENGINEERING CONCENTRATION**Core Requirements:**

See page 22 for Junior College Graduation Requirements.

Recommended Courses:

Mathematics majors should be prepared to begin Mathematics 191 (Calculus 1) in the first semester of the freshman year. Those not prepared to do so should anticipate a bachelor's program in excess of the normal four years. Computer science courses would be helpful.

Engineering majors should be prepared to begin Mathematics 191 (Calculus 1) in the first semester of the freshman year. Those not prepared to do so should anticipate a bachelor's program in excess of the normal four years. The NMMI curriculum for the Engineering major should include:

Chemistry 113-114 (Inorganic Chemistry & Qualitative Analysis)
 Physics 213-214 (Engineering Physics)
 Physics 222 (Statics)
 Mathematics 143 (Advanced Engineering Drawing)
 Mathematics 144 (Descriptive Geometry)
 Computer Science courses would be helpful

BUSINESS CONCENTRATION

Core Requirements

See page 22 for Junior College Graduation Requirements

Recommended Courses:

B.A. 111 (Introduction to Business)
 B.A. 113-114 (Accounting Principles)
 B.A. 201 (Principles of Management)
 B.A. 202 (Business Law)
 B.A. 204 (Principles of Management)
 B.A. 205 (Introduction to Marketing)
 Economics 211-212 (Principles & Problems of Economics)
 Mathematics 135 (Topics in Linear Algebra)
 Mathematics 138 (Calculus with Applications)

PHYSICAL EDUCATION CONCENTRATION

Core Requirements:

See page 22 for Junior College Graduation Requirements.

Recommended Courses:

Students planning to major in Health, Physical Education, and Recreation should plan to include as many of the following courses as possible in their academic programs.

PE 171 (Personal & Community Health)
 PE 173 (First Aid)
 PE 229 (Fundamentals of Athletic Training)
 PE 232 (Introduction to Recreation)
 PE 234 (Water Safety Instruction)
 PE 237 (Skin & Scuba Diving)
 PE 240 (Current Issues in Leisure Behavior)
 PE 264 (Foundations of Physical Education)
 PE 265 (Recreation in Voluntary and Youth Serving Organizations)
 BI 216 (Human Anatomy and Physiology)

ASSOCIATE OF ARTS DEGREE IN BANKING

A special brochure on this program can be obtained from the Director of Continuing Education Division in Lea Hall. Primarily constructed for professional businessmen and women, some of these courses may be taken by college cadets during weekday evenings if course prerequisites have been met.

COURSE SUGGESTIONS FOR COLLEGE BASED ON PROPOSED MAJORS

AGRICULTURE

Freshman Year

Fall	Hrs.	Spring	Hrs.
English 100 or 101	3	English	3
Biology 101	4	Biology 102	4
Agronomy 110	3	Feeds and Feeding	3
Mathematics 111 or 113	3	Humanities Elective	3
Military Science		Military Science	
Physical Education	1	Physical Education	1
		Ag. Welding	2

Sophomore Year

Fall		Spring	
History 211	3	History 212	3
Zoology 213	4	Zoology 214	4
Agriculture 202	3	Humanities Elective	3
Artificial Insemination	2	Economics 212	3
Economics 211	3	Horticulture 132	3
Military Science		Military Science	

BUSINESS

Freshman Year

Fall	Hrs.	Spring	Hrs.
English 100 or 101	3	English	3
Mathematics 138	3	History 212	3
History 211	3	Business 151	3
Business 101	3	Biology 102	4
Biology 101	4	Military Science	
Military Science		Physical Education	1
Physical Education	1		

Sophomore Year

Fall		Spring	
*Humanities Elective	3	*Humanities Elective	3
Business 113	3	Business 114	3
Economics 211	3	Economics 212	3
Business 201	3	Business 161	3
Math. 111 or 113	3	Business 202	3
Military Science		Military Science	

*Foreign Language Strongly Recommended

ENGINEERING

(Obtain Engineering Advisory Handbook from Dean's Office)

Freshman Year

Fall	Hrs.	Spring	Hrs.
English 101	3	English 102	3
Math. 191	3	Math. 192	3
Chemistry 113	5	Chemistry 114	5
History 211	3	History 212	3
Military Science		Mathematics 141	2
Physical Education	1	Military Science	
		Physical Education	1

Sophomore Year

Fall	Hrs.	Spring	Hrs.
Physics 213	5	Physics 214	5
Mathematics 291	3	Mathematics 292	3
Humanities Elective	3	Humanities Elective	3
Math. 115	3	Physics 222	3
Military Science		Military Science	

HISTORY, POLITICAL SCIENCE, PRE-LAW

Freshman Year

Fall	Hrs.	Spring	Hrs.
English 100 or 101	3	English	3
Math. 111 or 113	3	Government 111	3
Laboratory Science	4	Laboratory Science	4
History 211	3	History 212	3
Military Science		Military Science	
Physical Education	1	Physical Education	1

Sophomore Year

Fall	Hrs.	Spring	Hrs.
Foreign Language	4	Foreign Language	4
Sociology 101	3	Sociology 201	3
Economics 211	3	Economics 212	3
Business 111	3	Philosophy 212	3
Philosophy 111	3	Military Science	
Military Science			

LAW ENFORCEMENT**Freshman Year**

Fall	Hrs.	Spring	Hrs.
English 100 or 101	3	English	3
Law Enforcement 101	3	Law Enforcement 102	3
Computer Concepts	3	Intro. to Data Processing	3
Biology 101	4	Biology 102	4
Foreign Language	4	Foreign Language	4
Military Science		Military Science	
Physical Education	1	Physical Education	1

Sophomore Year

Fall		Spring	
History 211	3	History 212	3
Law Enforcement 201	3	Law Enforcement 202	3
Chemistry 111	4	Chemistry 112	4
Math. 111 or 113	3	Sociology 201	3
Military Science		Military Science	

LIBERAL ARTS**Freshman Year**

Fall	Hrs.	Spring	Hrs.
English 100 or 101	3	English	3
Chemistry or Biology	4	Chemistry or Biology	4
Foreign Language	4	Foreign Language	4
Sociology 101	3	Military Science	
Military Science		Physical Education	1
Physical Education	1		

Sophomore Year

Fall		Spring	
History 211	3	History 212	3
Humanities Elective	3	Humanities Elective	3
Math. 111 or 113	3	Business 161	3
Business 151	3	Geography 111	3
Philosophy 111	3	Anthropology 101	3
Military Science		Military Science	

PHYSICAL EDUCATION AND RECREATION

Freshman Year

Fall	Hrs.	Spring	Hrs.
English 100 or 101	3	English	3
Physical Education 232	3	Physical Education 171	3
Biology 101	4	Biology 102	4
History 211	3	History 212	3
Military Science		Military Science	
Physical Education	1	Physical Education	1

Sophomore Year

Fall	Hrs.	Spring	Hrs.
Humanities Elective	3	Humanities Elective	3
Physical Education 229	2	Math. 111 or 113	3
Sociology 101	3	Biology 216	3
Physical Education 240	2	Physical Education 173	2
Physical Education 264	3	Art Elective	3
Military Science		Military Science	
Physical Education	1	Physical Education	1

PRE-MED

(Obtain Pre-Med Advisory Handbook from Dean's Office)

Freshman Year

Fall	Hrs.	Spring	Hrs.
English 101	3	English 102	3
Foreign Language	4	Foreign Language	4
Biology 101	4	Biology 102	4
Chemistry 113	5	Chemistry 114	5
Mathematics 191	3	Mathematics 192	3
Military Science		Military Science	
Physical Education	1	Physical Education	1

Sophomore Year

Fall	Hrs.	Spring	Hrs.
English 221 or 222	3	Psychology 211	3
Biology 216	4	Biology 221	4
Physics 213	4	Physics 214	4
Chemistry 213	4	Chemistry 214	4
History 211	3	History 212	3
Military Science		Military Science	

The average class load for the college level cadet is 17 to 19 semester hours. Those carrying more than 19 hours may do so only with overload approval. Overload approvals are requested through the academic advisor and are approved by the Dean (college) or the Principal (high school). No college cadet may be allowed to carry less than 12 semester hours.

Overloads. Cadets with a 3.0 GPA or above from the previous grading period may take more than 19 hours (college) or a fifth solid (high school) with the permission of his/her academic advisor. With a GPA of less than 3.0 from the previous semester grading period, overloads are not recommended; but upon the request of the cadet and approval by the academic advisor, an overload may be permitted providing a cadet's schedule (academic, athletic, extra-curricular) suggests there is a reasonable probability the cadet can handle the overload.

CLASS DROP-ADD PROCEDURES

Cadets may add classes through the first three weeks of a semester.

The student who wishes to drop a course must initiate the drop with the academic advisor who will route the drop slip through the appropriate class advisor and the Academic Dean before it is sent to the Registrar's Office for finalization.

The last day to drop a class is eight class days after the end of the mid-term examination week for regular college and high school courses; and for Continuing Education the last day to drop a course is the class meeting following the mid-point of the course being offered.

MUSIC LIMITATION

No more than six semester credit hours in band can be used to satisfy the 68 semester credit hour requirement for graduation. Completion of a semester's participation as a member of the band generates one semester credit hour.

GRADING POLICIES

Grades issued to college and high school cadets use the following guide as a basis of evaluation:

A, A-	=	Excellent
B-, B, B+	=	Above Average
C-, C, C+	=	Average
D-, D, D+	=	Below
F	=	Failing
W	=	Withdrawn
WF	=	Withdrawn while Failing
X	=	Incomplete
U	=	Unsatisfactory
S	=	Satisfactory

Grades of "Incomplete" (X) must be made up within the semester after their assessment or they become grades of "F".

Students may retake a course in an attempt to raise a grade. If a higher grade is made the second time the course is taken, the lower grade is removed from the overall GPA but remains on the transcript.

GRADUATION PROCEDURES

The semester prior to graduation, the Registrar's Office will announce a time for application for graduation. Those planning to graduate must sign up at that time. All graduates are expected to participate in the graduation exercises unless specifically excused by the Academic Dean.

Mid-year graduates may participate in graduation exercises if they desire. If they do so they must arrange with the cadet store to wear academic cap and gown for the ceremonies or appear in military uniform with approved haircut and appearance standards.

Graduates of the Continuing Education program will also participate in the graduation exercises in academic cap and gown.

Graduates who have attained certain levels of academic excellence will be recognized in the graduation exercises according to the following scale:

Graduation with Highest Honors	3.75-4.00
Graduation with High Honors	3.50-3.74
Graduation with Honors	3.00-3.49

CONTINUING EDUCATION

In addition to its traditional academic program, New Mexico Military Institute operates the continuing education program. This program is basically a night school program with course offerings designed primarily for citizens of the Roswell area. College level cadets are allowed to take courses in the program with the following limitations:

If the course is offered both in the regular day session and the night school session, the cadet must take the class during the day session unless the day class is filled to capacity.

Cadets are normally limited to enrollment in one night class per semester. Exceptions must be approved by the Academic Dean.

Third class cadets taking a partial college class load in their final high school semester may take a single night class during that semester with the permission of the Associate Dean. Other high school cadets are not permitted to enroll in night classes except in Aviation classes.

NORMAL CLASS LOADS

The academic load for a high school level cadet is four academic classes plus military training and physical education. Exceptions to this rule may be made only by the Academic Dean (college level) or the high school Principal upon written request of the cadet's parents.

ACADEMIC SUSPENSION, WITHDRAWAL AND/OR DISMISSAL POLICY

If a new cadet's high school GPA is below 2.00 he/she may be admitted into the college on probation. The cadet must maintain a 1.50 GPA for two consecutive semesters. If not, the cadet may be suspended for one semester, after which time, the cadet may reapply. Another semester of grades below 1.50 may result in dismissal.

If a cadet fails to acquire a college 1.50 GPA or the 1.0 GPA for high school, suspension may result for one full semester, after which the cadet may reapply. If the 1.50 or 1.0 criteria is not met after readmission and at the end of the semester, the cadet may be dismissed.

The Registrar will report a cadet's conditional admittance and enrollment or probationary status to the cadet's parents and advisor, the cadet and the Dean.

Academic credit for dismissed or suspended cadets: It is possible for cadets who are dismissed or suspended prior to the end of a semester to receive academic credit for work completed. The procedure to be followed to determine a grade is:

Each case will be judged individually by the Academic Dean and/or Associate Dean together with the faculty member(s) involved.

Final grades will be based on grade for work completed at the time of dismissal, adjusted by zeros added for examinations and work missed between the time of dismissal and the end of the semester.

The Academic Dean and Associate Dean will provide the Registrar the results, and the cadet's transfer will reflect either:

- (1) grades at time of dismissal - no credit granted, or
- (2) grades at the time of dismissal - credit granted.

ACADEMIC ADVISEMENT

Each cadet is assigned a faculty academic advisor upon enrollment at NMMI. Normally this advisor retains his/her cadet advisee throughout the years the cadet remains at the Institute. However, a cadet may request a change in his/her advisor; the change is initiated through the advisor. The academic advisor 1) assists in the preparation of a cadet's academic course schedule, 2) structures a course of studies which leads to a cadet's career goals, 3) recommends tutorial referrals to appropriate instructors or for extra instruction in the Student Assistance Center (SAC), 4) provides the academic approvals/disapprovals for grade changes, course overload requests, and course additions or drops. When the need arises, on Tuesday and Wednesday each week, the last period of the academic day is reserved for tutoring and advising. Each cadet must sign a roster in his/her advisor's office at least once a month.

In addition to the individual academic advisor, the graduating classes (first and third) have a class advisor. These advisors closely monitor the transcripts and course selections of cadets who expect to graduate. Each graduating cadet will normally be required to consult with the class advisor in the fall and spring semesters to insure that all graduation requirements are being satisfied.

THE STUDENT ASSISTANCE CENTER

The Center is located in the basement of Lea Hall. In this Center are located faculty who have special competence in assisting students who are referred to SAC by their academic advisors or instructors because of a cadet's need to improve his/her academic posture. A cadet need not be on academic probation to utilize SAC's facilities. SAC is equipped with a wide variety of tutorial and self-paced learning aids. Additionally, under SAC's direction are taught various remedial courses in reading and writing skills, computational skills and special study programs for cadets on academic probation. SAC also is the location of the Institute's Chaplain (or he may be found in the chapel) together with personnel who can provide emotional counseling. SAC houses several remote computer terminals for cadet use as well as a computerized Guidance Information System (GIS) from which can be obtained a computer printout concerning institutions of higher learning in the United States which offer specified degree programs. Professional counselors are available to provide career and continuing education guidance.

SAC is open throughout the academic day as well as evenings during Night Study Hall (NSH). Cadets may use SAC during NSH provided their absence cards are properly marked. (Also with respect to NSH, cadets may go to the Library or to the Computer Center as an alternative to being in their rooms during NSH. High school cadets may visit other high school cadets' rooms during NSH only with prior permission of the Training and Control (TAC) officer).

COUNSELING CENTER

Specialists in personal counseling, career and academic guidance and counseling, and education evaluation and diagnosis are available to all cadets. These specialists provide cadets with vocational and educational information; administer and interpret aptitude, achievement, and interest tests as well as tests of personal problems and concerns. The NMMI Counseling Center also serves as a Regional Testing Center for the College Entrance Examination Board Admissions Testing Program (ATP) and the American College Testing Program (ACT). The Counseling Center maintains these regularly updated materials for cadet use: general and specialized college guides and directories; College Viewdeck (4-year); college catalogues, original, and on microfiche; vocational/occupational information, including books, pamphlets and video-cassette materials; "how to study" or "effective learning techniques"; self-instruction materials, and formal programs or group instruction; general and specialized scholarship and financial aid guides and directories; college admission and recruiting materials; admission application materials for schools regularly attended by NMMI graduates; specialized guidance materials for preparation for the several professions.

The Counseling Center program for evaluation and measurement for individuals and groups includes: occupational interest inventories; scholastic and other aptitude testing; achievement testing; limited evaluation/measurement of personal problems and concerns; college admissions testing (ACT, ATP, SAT, PSAT); college credit by examination (CLEP program); an effective test-taking mini-course; educational diagnostic evaluation and prescription; National Merit Scholarship Qualifying Test.

DEVELOPMENTAL AND CORRECTIVE PROGRAMS

The ex libris Development Reading Program, a fee-based, voluntary, credited course parallels the reading programs of several major academic institutions, including West Point and Princeton. It builds upon skills the student already possesses to promote speed in reading, and better comprehension.

Because some students lack the basic skills necessary to their academic success, NMMI offers courses specially designed to correct such deficiencies. Some of these courses may be credited toward graduation at NMMI, but they may not be transferable to other schools. A reading laboratory, offering individual evaluation and instruction, operates on a regular basis. Corrective college English courses are supplemented by an English Laboratory Program available to cadets for self-paced, individual instruction. NMMI offers English as a Second Language, providing intensive English instruction daily for cadets whose native language is not English until the student acquires a skill level necessary to achieve success in classes taught in English.

SCHOLASTIC TESTS

All high school cadets are required to take the American College Testing Company examination (ACT) as a graduation requirement.* These tests are administered by SAC at times which are announced in the Commandant's Hot Line. The exam should be taken in the second semester of the junior year or the first semester of the senior year. It is suggested that the ACT be taken as a dry run in the junior year and again for the record in the senior year. Most colleges require not only a transcript of one's academic record but also ACT scores to accompany application for admission. Cadets who apply to the service academies or for an ROTC scholarship must present ACT scores. SAC also administers other academic and placement tests such as the PSAT (Preliminary Scholastic Aptitude Test), the SAT, reading placement tests for new cadets, etc.

*See also, variations on SAT and TOEFL under Graduation Requirements, above.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) CREDIT BY CHALLENGE

College credit is allowed for successful completion of the various CLEP tests. CLEP credit may be transferred to the Institute to meet graduation requirements. The Institute does not use CLEP scores in computing a cadet's grade point average.

CLEP Scores — English. A CLEP score of 50% or better plus an evaluation of an essay by the English Department generates 3 semester credit hours in EN 101. Credit for EN 102 requires 50% level in the CLEP test plus submission of a satisfactory English essay, graded by the English Department.

CLEP Scores — Social Sciences, Mathematics, Natural Science, and Humanities. Credit or specific subject matter CLEP examination produces credit hours for general elective (no-core curriculum requirements for AA degree) credit based on the following scale: CLEP score of 50% - 79% = 3 credit hours; CLEP score of 80% or above = 4 hours credit.

CLEP Scores — Foreign Languages. A CLEP score of 50% or higher produces 4 credit hours in Spanish, French, or German. The level 1 CLEP produces credit for Spanish 111, French 111, or German 111. The level 2 CLEP produces credit for Spanish 112, French 112, or German 112.

Challenge Examinations — Any academic course taught at the Institute may be challenge-tested for academic credit. If after having registered for the course the cadet believes he/she can successfully challenge the course, a challenge examination is prepared and administered by the affected academic department. (A fee of \$10.00 is charged). The department head will report the results by grade to the Registrar; the grade will not be used to determine GPA. Passing the challenge examination does not satisfy minimum academic loads required to maintain membership in the Corps of Cadets.

HONOR SOCIETIES

PRESIDENT'S LIST

To qualify for the President's List a cadet must earn a minimum GPA of 3.50 (both high school and college) and must be carrying a full load of four solid subjects in high school or at least 14 semester hours if in college. Additionally, the cadet's department grade must be an "A". Cadets who take grades of Incomplete are not eligible for the President's List in the semester in which the Incomplete is received.

DEAN'S LIST

To qualify for the Dean's List a cadet must earn a minimum GPA of 3.25 (both high school and college). The high school cadet must be carrying a full load of four solid subjects and the college cadet a minimum of 14 semester hours. Additionally, the cadet's department grade must be at least a "C". Cadets who take grades of Incomplete are not eligible for the Dean's List in the semester in which the Incomplete is received.

COMMANDANT'S LIST

To qualify for the Commandant's List a cadet must earn an "A" in department and have a GPA of 2.50 or higher during a semester (both high school and college).

THE NATIONAL HONOR SOCIETY (HIGH SCHOOL)

The National Honor Society Chapter enables the faculty to select and recognize those members of the 10th, 11th, and 12th grades who are outstanding scholars and leaders. Each Cadet chosen has demonstrated academic ability, leadership, and helpfulness among his peers. Naturally, the Honor becomes more difficult to attain as the student matures and his course work becomes more difficult. Thus, membership at the 12th grade level is a major criterion for acceptance by leading colleges.

PHI THETA KAPPA

New Mexico Military Institute maintains a chapter of the junior college honor society Phi Theta Kappa. Election to the society regards academic excellence and provides additional opportunities for leadership training. Junior College students carrying a full academic load, possessing recognized qualities of citizenship, and holding a 3.20 cumulative GPA will meet the minimum qualifications for membership. The chapter sponsors various academic activities during the year, including guest speakers and seminars on current affairs.

COLLEGE COURSES**DIVISION OF HUMANITIES****EN 100-A — Basic Writing. Cr. 3 hrs.**

Is designed for students who need practical experience in writing correct and effective sentences. Placement by examination. Fulfills elective requirement for graduation but does not replace EN 101 in core curriculum. Prerequisite: Permission of instructor.

EN 100-B — Basic Writing. Cr. 3 hrs.

Is designed for students who need practical experience in writing correct and effective paragraphs. Placement by examination. Fulfills elective requirement for graduation but does not replace EN 101 in core curriculum. Prerequisite: Permission of instructor.

EN 101 — Freshman English. Cr. 3 hrs.

Includes expository composition, the study of rhetoric, vocabulary, grammar and usage, spelling, and models for writing. Requires library paper. Mandatory core requirement.

EN 102 — Freshman English. Cr. 3 hrs.

Is a continuation of EN 101. Introduces poetry, short story, drama, and novel. Requires critical papers about the literature. Recommended for all students who transfer to four year colleges.

EN 103 — Writing Workshop. Cr. 3 hrs.

Is an intensive study of grammar and usage, spelling, vocabulary, and composition. Restricted enrollment. Augments EN 101. Fulfills elective requirement for graduation but does not replace EN 101.

EN 114 — Effective English for Business. Cr. 3 hrs.

Stresses the accurate and critical reading and writing of letters, reports, outlines, and other business communications.

EN 115 — Letters and Reports. Cr. 3 hrs.

Stresses mechanical forms of business letters and the psychological principles that help the writer achieve the best results; a review of letter forms.

EN 199 — Special Problems in English. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

LT 221 — English Literature. Cr. 3 hrs.

Surveys major writers of English literature with some attention to minor authors and to trends and backgrounds. One oral report and one paper. Major authors studied: Chaucer, Spencer, Shakespeare, Donne, Jonson, Milton, Dryden, Swift, Pope, Johnson.

LT 222 — English Literature. Cr. 3 hrs.

Is a continuation of LT 221 with the following main authors studied: Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Yeats, Eliot. One oral report and one paper.

LT 231 — Introduction to Drama. Cr. 3 hrs.

Treats drama as literature: selected readings from the ancient Greeks to the present. A critical review is required.

LT 235 — American Literature. Cr. 3 hrs.

Covers American writing from the colonial period to the Civil War with emphasis upon the chief figures. Historical and literary developments are studied, along with literary types, both prose and poetry. A critical review is required.

LT 236 — American Literature. Cr. 3 hrs.

Is a continuation of LT 235 which carries the student into modern American writers and movements. A critical review is required.

SH 123 — Public Speaking. Cr. 3 hrs.

Delineates principles of public speaking and various types of public address. Emphasis on clear, competent expression through thorough preparation. Tape recordings for individual study.

SH 124 — Speech-Problems in Discussion and Argumentation. Cr. 3 hrs.

Calls for study of the theory and application of group problem solving techniques with emphasis on group task and maintenance functions and group roles.

SH 199 — Special Problems in Speech. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

FOREIGN LANGUAGES

Registration Instructions:

Students with less than two years of high school language should enroll in the 111-112 series.

Students with two years or more of high school language should enroll in the 211-212 series.

Language Laboratory:

Each student enrolled in the 111-112 series will have two periods of language laboratory each week. A lab fee is required.

GR 111-112 — Elementary German. Cr. 4-4 hrs.

Stresses grammar and basic skills; listening, speaking, reading and writing; the class meets daily, with three hours of lecture and two periods of lab each week. May be elected to satisfy Humanities requirements. See core curriculum.

GR 211-212 — Intermediate German. Cr. 3-3 hrs.

Continues the study of grammar and language, and stresses effective reading. Prerequisite: German 112, two years of high school German or permission of the instructor. Satisfies Humanities requirements.

SP 103-104 — Beginning Conversational Spanish. Cr. 3-3 hrs.

Oral communication and vocabulary acquisition course. It is designed to meet basic travel and business needs.

SP 203-204 — Intermediate Conversational Spanish. Cr. 3-3 hrs.

Continues the development of oral and written communication skills.

SP 111-112 — Elementary Spanish. Cr. 4-4 hrs.

Stresses grammar and basic skills; listening, speaking, reading and writing. The class meets daily, with three hours of lecture and two periods of lab each week. May be elected to satisfy Humanities requirements.

SP 211-212 — Intermediate Spanish. Cr. 3-3 hrs.

Continues the study of grammar and language, and stresses effective reading. Prerequisite: Spanish 112, two years of high school Spanish or permission of the instructor.

SP 231 — Introduction to Spanish Literature. Cr. 3 hrs.

Examines major Spanish authors and literary movements. The course is conducted in Spanish. Prerequisite: Spanish 211-212 or permission of the instructor. Satisfies Humanities requirements.

SP 232 — Introduction to Latin-American Literature. Cr. 3 hrs.

Examines major Latin American authors and literary movements. The course is conducted in Spanish. Prerequisite: Spanish 211-212 or permission of the instructor. Satisfies Humanities requirement.

SP 296 — Latin American Cultural Studies.

Introduction to Latin-American Civilization in Latin America and its fusion with the various indigenous cultures. The course is to be taught interdepartmentally by the Language and the Social Science Departments.

SP or GR 199 — Special Problems in Foreign Language. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

FR 111-112 — Elementary French. Cr. 4-4 hrs.

Stresses grammar and basic skills; listening, speaking, reading, and writing. The class meets daily with three hours of lecture and two periods of lab each week. May be elected to satisfy Humanities requirements. See Core Curriculum.

FR 211-212 — Intermediate French. Cr. 3-3 hrs.

Continues the study of grammar and language, and stresses effective reading. Prerequisite: French 112 and two years of high school French or permission of the instructor. Satisfies Humanities requirement.

LA 101-102 — Elementary Latin. Cr. 3-3 hrs.

Introduces Latin grammar and develops grammar logic and translation skills. The course places special emphasis on the influence of Latin on modern languages, and on contributions of the Roman people to western civilization.

FINE ARTS

Music

MU 101-102 — Band. Cr. 1-1 hr.

101, first semester only, is marching band. 102, second semester only, consists of concert band, including reading compositions and presenting two concerts. Prerequisite: Permission of the director.

MU201-202 — Band. Cr. 1-1 hr.

This is a continuation of Music 101-102. Prerequisite: Music 101-102.

MU 105 — Stage Band. Cr. 1-1 hr.

The study and performing of jazz and popular music in the stage band/jazz ensemble idiom. Prerequisite: Permission of instructor.

MU 103-104 — Choir. Cr. 1-1 hr.

Prerequisite: Permission of the director.

MU 203-204 — Choir. Cr. 1-1 hr.

Continuation of Music 103-104. Prerequisite: Music 103-104.

MU 108 — Fundamentals of Music Theory. Cr. 3 hrs.

Studies and exercises the fundamentals of harmony, ear training, notation and elementary piano. Prerequisite: previous musical experience is very helpful but not mandatory.

MU 113 — Music Appreciation. Cr. 3 hrs.

Studies the elements of music, the chronological development of musical styles, musical instruments and their inclusion into musical groups, and jazz. Satisfies Humanities requirements.

MU 121 — Ensembles. Cr. 1 hr.

Provides concert experience as well as expansion of instrumental techniques. Includes rehearsals and concerts. Prerequisite: Permission of instructor.

MU 145 — Applied Lessons. Cr. 1 hr.

Offers private instruction on piano, voice, and band instruments. Include one one-half hour lesson per week and two hours required practice time. Prerequisite: Permission of instructor.

MU 199 — Special Problems in Music. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

Drama

DR 131 — Introduction to Theatre. Cr. 3 hrs.

Offers comprehensive study of arts, crafts, traditions, personnel, techniques and organization of the Western theatre. Demonstrations, play productions, recordings and films are variously executed by the students.

(See also — LT 231, Introduction to Drama)

Art

AR 100 — General Crafts. Cr. 3 hrs.

Is an introductory course involving batik, tie dying, silk screen, block printing, and off loom weaving with application to textile design.

AR 101 — General Crafts. Cr. 3 hrs.

Introduces techniques of copper enameling, mosaics, wood carving, and papier-mache.

AR 102-112-202-212 — Drawing. Cr. 3-3-3-3 hrs.

Involves principles of drawing with emphasis on visual perception and materials. Advanced drawing covers the principles of drawing applied to the human figure. Prerequisite for 202: AR 102 and 112.

AR 103-113-203-213 — Painting. Cr. 3-3-3-3 hrs.

Is a study of the basic techniques of painting. Advanced courses give emphasis to student's individual expression and mastery of the painting medium. Prerequisites for 203: AR 103 and 120.

AR 104-114-204-214 — Techniques of Sculpture. Cr. 3-3-3-3 hrs.

Explores basic and advanced techniques in sculptural form and expression, including figure drawing, modeling in clay directly from the human figure, carving in various woods and stones, and construction in various other media such as plaster of Paris, ceraweld wax, and plastics. Prerequisites for 204: AR 101, 114 and 121.

AR 105-115-205-215 — Weaving. Cr. 3-3-3-3 hrs.

Investigates the various techniques in loom weaving. Prerequisites for 205: AR 100, 105 and 115 or permission of the instructor.

AR 106-116-206-216 — Ceramics. Cr. 3-3-3-3 hrs.

Advances basic techniques of preparing, forming, and firing clay objects. Advanced ceramics involves forming bowls, pitchers, and lidded pots on the potter's wheel. Experience in stacking and firing kilns. Prerequisite for 206: AR 106, 116, 121 or permission of the instructor.

AR 107-117-207-217 — Jewelry. Cr. 3-3-3-3 hrs.

Teaches basic forming, forging, soldering, and casting techniques. Advanced jewelry places emphasis on student's individual expression and mastery of technique. Prerequisites for 207: AR 110 and 120.

AR 120 — Basic Design I. Cr. 3 hrs.

Emphasizes two dimensional design elements; line, shape, color, and texture; and principles and theory of composition. Outside work required. Satisfies Humanities requirements.

AR 121 — Basic Design II. Cr. 3 hrs.

Emphasizes three dimensional design elements; spatial design, mass, form, volume; and principles and theory of architecture and sculpture. Outside work required. Satisfies Humanities requirement.

AR 131-132 — Art History. Cr. 3-3 hrs.

Introduces the elements of painting, sculpture and architecture. Surveys western art from Greco-Roman times to the Renaissance and Modern times. Term papers required. No prerequisite. Satisfies Humanities requirement.

THE DIVISION OF NATURAL SCIENCE AND MATHEMATICS**Biology****BI 101-102 — General Biology. Cr. 4-4 hrs. (3-2L)**

Studies the unifying principles of life; metabolism, growth, and development, behavior, evolution, and ecology. The genesis and diversity of microorganisms, plants and animals are stressed. Lab fee is required.

BI 199 — Special Problems in Biology. Cr. 1 to 3 hrs.

Prerequisite: Permission of instructor.

BO 209 — Plant Biology. Cr. 4 hrs. (3-3L)

Delineates the structure, physiology, heredity, environmental relationships and evolution of higher plants. It is a required basic course for certain areas of study in agriculture, biology, conservation and related fields. Lab fee required.

BO 210 — The Plant Kingdom. Cr. 4 hrs. (3-3L)

Entails a detailed study of the characteristics, life cycles, and natural relationships of types representing all divisions of the plant kingdom. It is required for further study in certain areas of biology, agriculture, conservation and related fields. (Offered alternate years.) Lab fee required.

ZO 213 — Biology of the Invertebrates. Cr. 4 hrs. (3-3L)

Consists of a survey and comparative study of the invertebrate groups. Intensive investigation through laboratory study is required. This course is especially recommended for careers in agriculture, biology, medicine and allied fields. Prerequisite: one year in biology, either on college or high school level. (Offered alternate years). Lab fee required.

ZO 214 — Biology of the Vertebrates. Cr. 4 hrs. (3-3L)

Calls for the study of the evolution, structural patterns, functions, adaptations, ecology, and natural history of the vertebrates. This course is especially recommended for careers in agriculture, biology, medicine, and allied fields. Prerequisite: one year of biology, either on college or high school level.

BI 216 — Human Anatomy and Physiology. Cr. 3 hrs. (2-2L)

Details the structure and functions of the human body. Prerequisite: one year of biology, either in college or high school. (Offered alternate years.) Lab fee required.

BI 221 — Microbiology. Cr. 4 hrs. (2-4L)

Is an introductory study of the physiology, morphology and activities of microorganisms. Labs will involve practice in the techniques of isolation, purification and identification of microorganisms. Chemistry is recommended prerequisite. (Offered on demand). Lab fee required.

BI 232 — Principles of Ecology. Cr. 4 hrs. (3-3L)

Concentrates on the origin, development and structure of natural communities as influenced by climate, soil, and the biotic factors. Prerequisite: two semesters of biology and permission of the department head. (Offered alternate years). Lab fee required.

Agriculture

Livestock production and applied plant science are emphasized and supported by a stable and greenhouse. An active rodeo program is available to students.

AG 101 — Introduction to Animal Science. Cr. 3 hrs. (2-2L)

Surveys the livestock industry in the southwest, including feeding, breeding, marketing, and management. Also, selection of stock for either breeding or marketing is studied. (This course does not satisfy the lab science requirement). Lab fee required.

AG 104 — Feeds and Feeding. Cr. 3 hrs. (2-2L)

Entails the study of digestibility of feeds, their grades, classes and nutritive values and the compounding of rations of maintenance and production for all classes of livestock. (This course does not satisfy the lab science requirement). Prerequisite: CH 111 and CH 112.

AG 110 — Introduction to Agronomy. Cr. 4 hrs. (3-3L)

Covers the fundamentals of crop production and soil management relative to biotic, edaphic, and climate factors. Offered fall semester. (This course does not satisfy the lab science requirement). Lab fee required.

AG 121 — Artificial Insemination. Cr. 2 hrs.

Entails the study of reproduction, reproductive failure, pregnancy testing, semen evaluation, and the art and science of artificial insemination. Offered fall and spring. Lab fee required.

AG 122 — Introduction to Welding. Cr. 2 hrs.

Familiarizes the student with safety procedures, equipment, terms, definitions, and practice in both arc and oxyacetylene welding. Offered Fall and Spring. Lab fee required.

AG 199 — Special Problems in Agriculture. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

AG 202 — Introduction to Ranch Management. Cr. 3 hrs. (2-2L)

Entails a detailed study of carrying capacity and proper stocking of ranch with livestock; identification, ecology, and forage value of range plants; revegetation, noxious plant control, range economics. (This course does not satisfy the lab science requirement). Lab fee required.

HO 132 — Introduction to Horticulture. Cr. 3 hrs. (2-2L)

Involves fundamental principles and practices of landscape design and the growth, maintenance, and use of Horticultural plants. (This course does not satisfy the lab science requirement). Lab fee required.

HO 199 — Special Problems in Horticulture. Cr. 1-3 hrs.

Involves courses in such subjects as home landscape design, flower growing, and others, as interests arise.

Physics**PY 111-112 — College Physics. Cr. 4-4 hrs. (3-2L)**

Fulfills the science requirements for liberal arts students. Classical physics with emphasis on physical principles as applied in mechanics, heat, sound, electricity, optics and atomic structure. Lab fee required.

PY 121 — Physical Meteorology. Cr. 2 hrs.

Studies the atmosphere, its height and pressure; winds, precipitation; thunderstorms; cyclones. Prerequisite: high school physics or PY 111, or permission of instructor.

PY 151 — Elements of Electricity. Cr. 3 hrs.

Covers foundations for radio, television, radar, power plants, power distribution, and other practical applications. Ohm's Law, power and energy conductors, measurement of resistance, magnetism, magnetic circuit generators, AC and DC generators, motors, batteries, etc. Offered on demand. Lab fee required.

PY 199 — Special Problems in Physics. Cr. 1 to 3 hrs.

Prerequisite: Permission of instructor.

PY 213-214 — Engineering Physics. Cr. 5-5 hrs. (5-3L)

Is fundamental for engineers, science students, and pre-medics. Mechanics, molecular physics, and heat. Second semester: electricity, sound, and light. Prerequisite: calculus (MA 191-192) is a corequisite. Extensive problem solving. Lab fee required.

PY 222 — Statics. Cr. 3 hrs.

Studies engineering mechanics using vector methods. Includes study of rigid bodies in equilibrium, center of gravity, beams, flexible cables and trusses. Prerequisite: high school or college physics. Calculus corequisite or consent of instructor required.

AV 101 — Aerospace Education. Cr. 3 hrs.

Provides understanding of the scientific and technological fundamentals involved in flight and encompasses the equivalent of a Federal Aviation Administration private pilot ground school and prepares students to take FAA private pilot written examination. An extra fee is charged.

Chemistry**CH 111-112 — General Chemistry. Cr. 4-4 hrs. (3-3L)**

Is an introduction to the fundamental principles of theoretical and descriptive chemistry. Introduction to organic chemistry in the second semester. Prerequisite: MA 111. Lab fee required.

CH 113-114 — Inorganic Chemistry and Qualitative Analysis. Cr. 5-5 hrs. (3-6L)

Is a comprehensive study of inorganic chemistry. Second semester includes principles and techniques of qualitative analysis, with special emphasis on applications of chemical equilibria. Prerequisite: Math 113 or higher. Lab fee required.

CH 199 — Special Problems in Chemistry. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

CH 211 — Basic Organic Chemistry. Cr. 4 hrs. (3-3L)

Is a one-semester survey for students requiring only a brief coverage of the important classes of organic compounds. Prerequisite: Chemistry 112 or 114. Lab fee required.

CH 213-214 — Organic Chemistry. Cr. 5-5 hrs. (3-6L)

Is a two semester sequence with an in depth coverage of aliphatic and aromatic compounds, isomerism, structural electronics theories of reactions. Prerequisite: Chemistry 112 or 114. Lab fee required.

Geology

ES 111 — Physical Geology. Cr. 4 hrs. (3-3L)

Surveys the geologic processes in the light of the concept of plate tectonics. Laboratory work includes the identification of rocks and minerals and the use of geologic maps to study physical processes. Field trips are used to supplement classroom objectives. Lab fee required.

ES 112 — Historical Geology. Cr. 4 hrs. (3-3L)

Constructs the history of an evolving earth, with special reference to North America. Laboratory exercises in correlation by use of fossils and physical evidence. Field trips to points significant in earth history. Prerequisite: ES 111. Lab fee required.

Mathematics

MA 100 — Basic Mathematics. Cr. 3 hrs.

Covers addition, subtraction, multiplication, and division of whole numbers, fractions, and mixed numbers. Includes linear algebraic equations and their solution. Does not meet graduation requirements.

MA 111 — Intermediate Algebra. Cr. 3 hrs.

Covers operations with real numbers, integral exponents, radicals, and algebraic expressions. Solutions of linear and quadratic equations, linear inequalities and related word problems are studied.

MA 113 — College Algebra. Cr. 3 hrs.

Covers functions and their graphs including polynomial, exponential, logarithmic functions and conic sections. Properties of straight lines, solutions of linear systems, quadratic equations, and inequalities are studied. Prerequisite: MA 111 or satisfactory score on screening test.

MA 115 — Computer Programming in BASIC. Cr. 3 hrs.

Utilizes BASIC, a computer programming language, in the writing and running on the computer of programs that solve problems from science, math, engineering and business. Prerequisite: MA 111 or equivalent. PDP 11/70 and remote terminal usage.

MA 117 — Trigonometry. Cr. 3 hrs.

Covers trigonometric functions, trigonometric identities and equations, radian measure, inverse trigonometric functions, complex numbers, and practical applications. Prerequisite: MA 113 or equivalent.

MA 126 — Mathematics of Finance. Cr. 3 hrs.

Emphasizes money problems which concern the individual, such as simple interest and discount, compounded interest, equations of value and payment, annuities, sinking funds, life insurance, etc. Offered alternate years. Prerequisite: MA 113 or equivalent.

MA 135 — Finite Mathematics. Cr. 3 hrs.

Studies techniques needed to solve practical problems involving linear algebra and probability. Prepares students for courses in economics, business, sociology, political science, biology and psychology, as well as more specialized courses in statistics and econometrics. Includes matrix algebra, linear programming, counting techniques, finite probability, distributions, and same theory. Prerequisite: MA 111 or equivalent.

MA 138 — Calculus with Applications. Cr. 3 hrs.

Introduces differential and integral calculus with applications to business, economics, the behavioral and life sciences. Required for entrance to most university schools or business. Prerequisite: MA 113 or equivalent.

MA 141 — Engineering Drawing I. Cr. 2 hrs. (1-3L)

Is the international language describing the size, shape, and relationship of physical objects and employs two methods of writing: freehand and instrument. Prerequisite: Plane Geometry. Lab fee required. Does not meet math requirements for graduation.

MA 142 — Elements of Basic Residential Planning. Cr. 3 hrs. (2-2L)

Covers the planning and designing of the basic areas of a dwelling. Covers basic architectural drawings such as floor plans, elevations, and pictorial drawings. Prerequisite: Mechanical Drawing or ME 141. Lab fee required. Does not meet math requirement for graduation.

MA 143 — Projective Geometry. Cr. 3 hrs (2-2L)

Combines the arts and sciences of drawing applicable to the solutions of engineering, science, and architecture problems. Prerequisite: Drawing and approval of instructor. Lab fee required. Does not meet math requirement for graduation.

MA 144 — Descriptive Geometry. Cr. 3 hrs. (2-2L)

Is a graphical method of solving solid (or space) analytic geometry problems. Is basic to the solution of many engineering, science, and architecture problems. Prerequisite: MA 143. Lab fee required. Does not meet math requirements for graduation.

MA 171 — Fortran. Cr. 3 hrs.

Is an in-depth study of the computer programming language FORTRAN. Emphasizes using the language in the solution of scientific problems. Requires the student to write and run several programs. Offered alternate years. Prerequisite: MA 115 or consent of instructor.

MA 191 — Calculus I. Cr. 3 hrs.

Covers differential calculus of functions of one real variable with applications. Prerequisite: Satisfactory grade on mathematics screening test or MA 117 with a grade of "C" or better.

MA 192 — Calculus II. Cr. 3 hrs.

Covers integral calculus of functions of one real variable with applications and analytic geometry. Prerequisite: MA 191.

MA 199 — Special Problems in Mathematics. Cr. 1 to 3 hrs.

Involves courses in such areas as programmable calculators, advanced computer programming, and advanced mathematics. Prerequisite: Permission of instructor.

MA 291 — Calculus III. Cr. 3 hrs.

Includes polar coordinates, barometric equations, techniques of integration, infinite series, and introduction to vectors. Prerequisite: MA 192.

MA 292 — Calculus IV. Cr. 3 hrs.

Includes infinite series, Taylor series, partial derivatives, multiple integrals, and applications. Prerequisite: MA 291.

THE DIVISION OF SOCIAL SCIENCE AND BUSINESS ADMINISTRATION

History

HI 101-102 — Development of Western Civilization. Cr. 3-3 hrs.

Is a study of the social, economic, political, philosophical and aesthetic development of man from antiquity to the end of the Medieval period. Second semester studies man's history from 1500 A.D. to modern times. This course attempts to have students understand the parallels between past history and contemporary history to better comprehend the political and social realities of contemporary man.

HI 110 (Also MS 101) — American Military History. Cr. 3 hrs.

Is a study of the development of American military institutions, policies, experiences, and traditions in peace and war from colonial times to the present. Emphasis is placed on the relationship between military and other aspects of American society and the role of the military in the establishment, expansion, preservation and development of the nation.

HI 211-212 — History of the United States. Cr. 3-3 hrs.

During the first semester, a survey of American History based on the political, economic, social, and cultural development of the United States from Colonial beginnings through 1865. During the second semester, it is a study of the History of the United States from the beginning of Reconstruction to the present. Particular attention is also given various political, social, and economic movements, as well as the place of the U.S. in World Affairs. Both of these courses are graduation requirements.

HI 211-212 (Honors) — United States History. Cr. 3-3 hrs.

Surveys in multidisciplinary fashion the political, cultural, intellectual, and aesthetic history to 1865 during the first semester. During the second semester, the course surveys United States history since 1865 in similar fashion. The course is given as a seminar for selected students interested in studying history in more depth. Meets social science graduation requirements.

HI 221 — American Military Experience. Cr. 3 hrs.

Is an intensive study of the United States military institutions, policies, and experiences from the colonial period to the present. Special emphasis is placed upon the relationship between the military and American society as well as the role of the military in foreign affairs. Prerequisites: US History 211-212, MS IV Cadet.

HI 261 — History of New Mexico. Cr. 3 hrs.

Surveys the political, economic, social and cultural development of the state. Special emphasis is placed upon the multi-cultural aspects of the State's development.

HI 281 — History of Colonial Latin America. Cr. 3 hrs.

Surveys political, economic, social and cultural developments of Latin America from its colonial beginnings through 1821.

HI 282 — History of Latin America from 1821 to the Present. Cr. 3 hrs.

Examines the national period to the present with emphasis on social, economic, and political developments.

Political Science**GV 111 — Government of the United States. Cr. 3 hrs.**

Studies U.S. national government, dealing with the origin, nature, and development of the Constitution; organization and powers of the Presidency; administrative agencies; Congress; the Judiciary.

GV 214 — Comparative Government. Cr. 3 hrs.

Analyzes the principles upon which the United States and powers of Europe base their governments. The United States, Great Britain, France, the Federal German Republic, and the USSR are discussed in detail.

Psychology**PS 101 — General Psychology. Cr. 3 hrs.**

Studies personality behavior, learning and development through theory and research related to contemporary issues.

PS 211 — The Psychology of Adjustment. Cr. 3 hrs.

Explores concepts of mental health and illness, adjustment problems and processes. Prerequisite: PS 101.

PS 199 — Special Problems in Psychology. Cr. 3 hrs.

Prerequisite: Permission of instructor.

Sociology**SO 101 — Introduction to Sociology. Cr. 3 hrs.**

Is a study of the nature and structure of human societies. The course stresses sociological methodology, terminology, key concepts such as culture, socialization, social stratification, collective behavior and social institutions. The course is designed to give the students a sociological understanding of contemporary American society in a rapidly changing world.

SO 201 — Contemporary Social Problems. Cr. 3 hrs.

Analyzes and studies contemporary social problems, their causes, possible solutions, and how they affect human behavior. The problem areas of crime, population, the ecological crisis, racism, alienation, poverty, urbanization and mass media are studied from the various sociological models or social problems. Prerequisite: SO 101 or permission of instructor.

SO 210 — Contemporary Marriage and Family. Cr. 3 hrs.

Is a study of the nature and the forces that are influencing contemporary family life. Many of the aspects of marriage covered are: male and female role socialization, courtship, mate selection, legal aspects, practical economic considerations, sexual development and adjustment, conflict and adjustment in marriage, divorce, child rearing and the nature of love. Prerequisite: SO 101 or permission of instructor.

SO 199 — Special Problems in Sociology. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

Philosophy**PH 111 — Introduction to Philosophy. Cr. 3 hrs.**

Is a familiarization with the philosophical approach; study of philosophical problems of historical significance. Includes critical study of works of important philosophers and representative philosophic areas, aimed at developing the tools of formal analysis. Satisfies Humanities requirement.

PH 120 — World Religions. Cr. 3 hrs.

Is a historical survey of the great world religions with a rational analysis of the concepts of God, creation, man, scripture and ethics presented. Religious movements, to be discussed include: Islamic, Hinduism, Buddhism, Taoism, Confucianism, Judaism and Christianity. Satisfies Humanities requirement.

PH 201 — Ethics. Cr. 3 hrs.

Introduces the concepts and methods of moral philosophy. Students are taught how to analyze and evaluate current moral problems as well as being introduced to the major systems of the occident. Satisfies humanities requirement.

PH 202 — Logic. Cr. 3 hrs.

A basic introduction to the concepts and analytical tools of material logic and formal deductive logic. Major emphasis is placed on the Aristotelian rules for categorical syllogisms and on analyzing common arguments made in daily life. Satisfies Humanities requirement.

PH 199 — Special Problems of Philosophy. Cr. 3 hrs.

Prerequisite: Permission of instructor.

Geography**GO 102 — Economic Geography. Cr. 3 hrs.**

An analysis of man's economic activities with regard to their geographic conditions. Field trip. Recommended for business majors.

GO 250 — Geography of South America. Cr. 3 hrs.

Is a survey course which will analyze the cultural, economic, political and physical factors of South America.

Anthropology**AN 101 — Introduction to Anthropology. Cr. 3 hrs.**

Is an introduction to the nature and scope of anthropology, including the development of man and his cultural phenomena.

Law Enforcement**LE 101 — Introduction to Law Enforcement. Cr. 3 hrs.**

Is an introduction to the police role in the criminal justice system. Emphasis is placed on the enforcement needs of the community, primary police functions, professional aspects of criminal justice, and career opportunities.

LE 102 — Administration of Justice. Cr. 3 hrs.

Is a comprehensive analysis of the principles and procedures of the criminal justice system from the time of arrest to release from custody. Emphasis is placed on legal foundation, the functions of each component of the criminal justice system, and the processes and trends within the system.

LE 201 — Criminal Justice I. Cr. 3 hrs.

Is an introductory study of procedural and substantive criminal law. Emphasis is placed on Constitutional considerations affecting arrest, search and seizure, and other aspects of police responsibility and authority.

LE 202 — Criminal Justice II. Cr. 3 hrs.

Is a comprehensive analysis of the fundamentals of procedural and substantive criminal law. Emphasis is placed on the historical development of criminal law, classification of crimes, and Constitutional guarantees provided by law.

LE 199 — Special Problems in Law Enforcement. Cr. 1-3 hrs.

Prerequisite: Permission of instructor.

Business Administration**BA 101 — Beginning Typing. Cr. 3 hrs.**

Introduces the keyboard and principal parts of the typewriter. Emphasis on typing letters, classroom assignments, and term papers. Not for students who have received credit for a similar course. Fee required.

BA 102 — Intermediate Typing. Cr. 3 hrs.

Is a continuation of Beginning Typing BA 101. Use of the typewriter in the presentation of business information and formal business statements. Emphasis on improving accuracy and speed, as well as efficiency in the use of time. Fee required. Prerequisite: BA 101 or equivalent.

BA 111 — Introduction to Business. Cr. 3 hrs.

Is a general survey of the entire field of business, intended for first-year college students. Concepts of business organization, structure, and decision-making processes. Explores areas of specialization and career opportunities in the business world.

BA 113 — Principles of Accounting I. Cr. 3 hrs.

An introductory course designed to furnish a general knowledge of accounting principles and procedures. Examination of present accounting theory and practices with applications to the sole proprietorship.

BA 114 — Principles of Accounting II. Cr. 3 hrs.

A continuation of BA 113. Application of theory and practice to partnership and corporations, manufacturing operations, cost determination, financial statement analysis and Federal tax considerations. Prerequisite: BA 113.

BA 123 — Business Machines. Cr. 2 hrs.

Emphasizes instruction and practice on machines used in the business environment. Machines include ten-key adding machines, electronic and printing calculators, and duplicator/reproducing equipment. Fee required.

BA 161 — Introduction to Data Processing. Cr. 3 hrs.

Introduces manual, mechanical and electronic data processing systems and techniques; punched card, history of data processing; storage media, fundamentals of input and output operations and practical application projects utilizing the campus computer facilities. Lab fee required.

BA 181 — Computer Languages. Cr. 3 hrs.

Introduces the basic components of computer languages; FORTRAN, BASIC, RPG, and COBOL. Emphasis will be placed on appropriate language as indicated by student interest and needs. Prerequisite: BA 161.

BA 182 — Programming Techniques. Cr. 3 hrs.

Using Computer Languages already learned, the student will apply his/her knowledge to programming situations. Students will learn to effectively utilize peripheral devices, take advantage of "packaged" sub-routines, and in general, become an efficient programmer. Prerequisite: BA 181.

BA 199 — Special Problems in Computer Concepts. Cr. 3 hrs.

Studies the utilization of the power the computer has to offer. Topics include stored program concepts, peripheral devices, flow charting and an introduction to the "BASIC" computer language with emphasis on problem solving applications in the business environment.

BA 201 — Principles of Management. Cr. 3 hrs.

A study of managerial functions as they apply to business. Planning, organizing, staffing, directing and controlling the functions of management are examined in depth.

BA 201A — Principles of Management. Cr. 3 hrs.

An introduction to managerial functions. Planning, organizing, staffing directing and controlling the functions of management are examined in depth. Prerequisite: MS IV ROTC Contract cadets only.

BA 202 — Business Law. Cr. 3 hrs.

Investigates the basic principles of law and their applications to business problems. Includes: courts, legal procedures, law of contracts, agency and employment, negotiable instruments, personal property and sale of goods.

BA 204 — Principles of Finance. Cr. 3 hrs.

Overviews problems in acquiring, allocating and controlling the use of funds in a business enterprise; promotion, capital, dividend policies, receivership, and reorganization. Prerequisite: BA 111.

BA 205 — Introduction to Marketing. Cr. 3 hrs.

Studies the role of marketing in society and in the economy and the business firm as a marketing system. Management of the firm's marketing effort and competitive strategy. Prerequisite: BA 111.

BA 213 — Systems Analysis and Design I. Cr. 3 hrs.

Builds understanding of Systems Analysis and Design through the investigation of existing business systems. Student will be involved in actual running systems while going through the various steps, i.e., evaluation and flow of source documents, personal interviews, job flow, programming, documentation, etc.

BA 214 — Systems Analysis and Design II. Cr. 3 hrs.

Continues the application of the concepts of systems Analysis and Design I. Student will work on individual or team basis to do a systems study. Prerequisite: BA 213.

EC 211 — Principles and Problems of Economics I. Cr. 3 hrs.

A description of the economic system governing the productive apparatus; identification of underlying social and economic goals; examination of money and credit systems; theory of national income, employment and economic growth.

EC 212 — Principles and Problems of Economics II. Cr. 3 hrs.

A continuation of EC 211, with emphasis on the micro-economics description of firms, markets, and pricing systems; the economics of pollution controls and individual groups of society. Study of comparative economic systems. Prerequisite: EC 211.

DIVISION OF STUDENT ASSISTANCE

RD 109-110 — Corrective Reading. Cr. 1-1 hr.

Required for students whose placement test scores fall below the thirteenth percentile. One or two semesters, depending on progress; films and other aids employed; stress on basic reading skills; some attention to study methods. Grade: S or U - for transcript, not included in GPA.

RD 111 — Development Reading (Ex Libris). Cr. 1 hr.

A course in reading improvement, including basic and advanced study methods for text books. All reading techniques and skills are developed to achieve flexibility, efficiency, and speed. Particular emphasis is placed on reading for critical evaluation. Grade: S or U - for transcript, not included in GPA.

RD 112 — How to Study. Cr. 1 hr.

A course for students who need to improve their study management, mechanics of doing research, test making, finding main topics in textbooks, remembering what has been read, preparing for examinations, etc. Grade: S or U - for transcript, not included in GPA.

RD 101-102 — Reading/Study Skills. Cr. 2-2 hrs.

A combination of two classes - How to Study and Corrective Reading - which meets five times per week. Students may volunteer for the class or be placed in it by their academic advisors. The instructor makes an individual diagnosis on each student enrolled and prescribes a program of study for each. Grade: letter grade given, included in GPA.

RD 199 — Basic Skills. Cr. 0 hr.

A course in improving basic study skills necessary to come up to grade level. Instruction begins at very elementary levels of reading, phonics, etc. and moves at an individual pace for each student. Grade: S or U - for transcript. Additional fee required.

DIVISION OF HEALTH, PHYSICAL EDUCATION AND RECREATION

PHYSICAL EDUCATION ACTIVITY COURSES. Cr. 1 hr. each

Stress individual sports with carry over value for a lifetime.

No.	Course		
100	Racquetball	115	Wrestling
101	Basic Fitness	117	Personal Defense (Judo)
102	Weight Training	118	Personal Defense (Karate)
103	Jogging	119	Cycling
104	Beginning Basketball	122	Archery
105	Beginning Golf	123	Flickerball and Flag Football
106	Beginning Tennis	202	Kayaking
107	Beginning Swimming	205	Advanced Rescue
108	Badminton	207	Gymnastics and tumbling
109	Modern Dance	210	Backpacking
110	Soccer and Speedball	211	Advanced Golf
111	Volleyball and Softball	213	Advanced Tennis

PROFESSIONAL PREPARATION OF PHYSICAL EDUCATION AND RECREATION OFFERINGS

Designed for the prospective Physical Education/Recreation major or minor.

PE 171 — Personal and Community Health. Cr. 3 hrs.

Includes a broad overview of the home, school and community health problems.

PE 173 — First Aid. Cr. 2 hrs.

Covers the American Red Cross course, including the study of techniques necessary in First Aid for athletic events.

PE 229 — Fundamentals of Athletic Training. Cr. 3 hrs.

Covers the diagnosis and treatment of athletic injuries with training techniques and use of support materials to prevent athletic injuries, the diagnosis and treatment of those injuries, stressing utilization of supporting apparatus, hydrotherapy, physiotherapy, bandaging, and massage.

PE 232 — Introduction to Recreation. Cr. 3 hrs.

Gives the fundamentals involved in the development of the field of recreation, designed to provide students with a knowledge of Federal, State and local recreation programs and practices in the activities included.

PE 234 — Water Safety Instruction. Cr. 3 hrs.

Is designed to give the student the skills and knowledge necessary to teach Red Cross Swimming and Water Safety courses. Students who satisfactorily complete the course are certified as Red Cross Water Safety Instructors. The course credit includes one hour activity P.E., plus two hours academic credit. All students must satisfactorily pass pre-requisite water test.

PE 237 — Skin and Scuba Diving. Cr. 3 hrs.

Course work includes both water skills and academic knowledge that will enable the student to handle himself and his equipment in a manner that is safe for the diver and those who dive with him. Prerequisite: WSI qualification.

PE 240 — Current Issues in Leisure Behavior. Cr. 3 hrs.

Will provide the student an opportunity to study in depth areas of particular interest.

PE 264 — Foundations of Physical Education. Cr. 3 hrs.

Provides a broad overview of the value of physical education. Topics discussed are career opportunities, methods and evaluations of the physical education program, including history, aims, and objectives.

PE 265 — Recreation in voluntary and Youth-Serving Organizations. Cr. 3 hrs.

Designed to provide the student with a background and working knowledge of these organizations through both classroom study and actual experience working with one or more of the programs.

MILITARY SCIENCE

MS 100 — Military Science I. Cr. 2 hrs.

Orientation and history of ROTC. Responsibility of an officer; individual weapons and marksmanship; leadership and management development. (Student must also enroll in American Military History 110).

MS 101 (Also HI 110) — American Military History. Cr. 3 hrs.

Development of American military institutions, policies, experiences and traditions in peace and war from colonial times to the present. Emphasis is placed on the relationship between military and other aspects of American society and the role of the military in the establishment, expansion, preservation and development of the nation.

MS 201-202 — Military Science II. Cr. 2-2 hrs.

Map reading, tactics at squad level, communications and military justice system.

MS 301-302 — Military Science III. Cr. 3-3 hrs.

Advanced leadership; methods of instruction, map reading, branches of the Army, small unit tactics, leadership development.

MS 401 — Military Science IV. Cr. 3 hrs.

Customs and courtesies of the service, military justice, theory and dynamics of combined arms team tactics, administration and staff procedures.

MS 402 — Military Science IV. Cr. 3 hrs.

An introduction to managerial functions. Planning, organizing, staffing, directing and controlling are examined in depth. Incorporates the material of BA 201 — Principles of Management.

HIGH SCHOOL COURSES

THE DIVISION OF HUMANITIES

English

EN 021 — English 2a. Cr. ½ unit

The first half of an integrated program with emphasis on specific writing assignments and development of communication skills; vocabulary development; extensive writing practice.

EN 022 — English 2b. Cr. ½ unit

A continuation of English 2a with emphasis on thematic approach to literature; critical writing; continued writing practice.

EN 031 — English 3a. Cr. ½ unit

The first half of an integrated program with specific emphasis on the development of the whole composition; library work; American English; vocabulary development.

EN 032 — English 3b. Cr. ½ unit

A continuation of English 3a with emphasis on American literary heritage; critical analysis of literary works; continued writing practice.

EN 033-034 — English as a Second Language (ESL). Cr. 1-1 unit

An intensive one year English course in listening, speaking, reading, and writing for foreign students. Class meets in multiple sessions daily for audio-visual drills and theoretical study of the language.

EN 041 — English 4a. Cr. ½ unit

The first half of an integrated program with specific emphasis on language and logic; preparation for college entrance exams; refinement of writing skills through extensive writing practice; documental library paper; vocabulary development.

EN 042 — English 4b. Cr. ½ unit

A continuation of English 041 with specific emphasis on a thematic approach to western literature; a critical paper; continued writing practice.

EN 043-044 — Developmental English. Cr. ½-½ unit

A continuation of English 033-034, paced for foreign students, with emphasis on refining and developing the functional usage of English while analyzing world literature in speech and writing. Open only to high school senior ESL students.

SH 061 — Speech. Cr. ½ unit

Concentrates on the basic principles of speech; practical speech activities and group discussion.

Foreign Languages

Registration Instructions:

- a. Credit will not be allowed for language courses taken prior to ninth grade.
- b. Students with no previous language courses will enroll in 1a.
- c. See the head of the Language Department for special placement.
- d. Two years of one foreign language are required for graduation.

Language Laboratory:

Each student in high school levels 011-012 and 021-022 will have one period in the language laboratory each week. A lab fee will be charged.

GR 011-012 — German 1a and 1b. Cr. ½-½ unit

Stresses the acquisition of basic skills; listening, speaking, reading and writing. The essentials of grammar are explained and practiced.

GR 021-022 — German 2a and 2b. Cr. ½-½ unit

Continues the study of grammar and basic skills. Introduces the development of skill in composition and conversation.

GR 033-034 — German 3a and 3b. Cr. ½-½ unit

An independent study course in developmental reading and writing in German. It is self-paced and designed as a level three course. Prerequisite: German 021-022 or permission of the instructor.

SP 011-012 — Spanish 1a and 1b. Cr. ½-½ unit

Stresses the acquisition of basic skills; listening, speaking, reading and writing. The essentials of grammar are explained and practiced.

SP 021-022 — Spanish 2a and 2b. Cr. ½-½ unit

Continues the study of grammar and basic skills. Introduces the development of skill in composition and conversation.

SP 025-026 — Spanish for Bilinguals 2a and 2b. Cr. ½-½ unit

A course for students with a home background in Spanish. It addresses the linguistic and cultural needs of the bilingual student. Placement is gained by an interview and permission of the instructor.

SP 031-032 — Spanish 3a and 3b. Cr. ½-½ unit

Stresses advanced reading and composition. Short stories by Spanish and Spanish-American authors serve as a basis for the study of culture and for conversation.

SP 041-042 — Spanish 4a and 4b. Cr. ½-½ unit

A reading and discussion course. Spanish and Spanish-American literature serves as the basis for discussion. Oral and written reports are required. Grammar questions are addressed when necessary.

FR 011-012 — French 1a and 1b. Cr. ½-½ unit

Stresses the acquisition of basic skills; listening, speaking, reading, and writing. The essentials of grammar are explained and practiced.

FR 021-022 — French 2a and 2b. Cr. ½-½ unit

Continues the study of grammar and basic skills. Introduces the development of skill in composition and conversation.

Music**MU 011 — Music 1-Band. Cr. ¼ unit per semester**

First semester only is primarily marching band. Second semester consists of concert band, including two concerts to be given. Includes entry into the band or choir or private lessons. Requires consent of instructor.

MU 012 — Music 2-Band. Cr. ¼ unit per semester

Prerequisite: MU 011. This is a continuation of Music 1.

MU 013 — Music 3-Band. Cr. ¼ unit per semester

Prerequisite: MU 012. This is a continuation of Music 2.

MU 014 — Music 4-Band. Cr. ¼ unit per semester

Prerequisite: MU 013. This is a continuation of Music 3.

MU 015 — Stage Band. Cr. ¼ unit per semester

Includes entry into the band or choir or private lessons. Requires consent of the instructor.

MU 021 — Music 1-Choir. Cr. ¼ unit per semester**MU 022 — Music 2-Choir. Cr. ¼ unit per semester**

Prerequisite: MU 011.

MU 023 — Music 3-Choir. Cr. ¼ unit per semester

Prerequisite: MU 012

MU 024 — Music 4-Choir. Cr. ¼ unit per semester

Prerequisite: MU 013

MU 016 — Applied Music Lessons. Cr. ¼ unit per semester

Private instruction in piano, voice, or band instruments. Includes ½ hour lesson once a week with two hours required practice time. Includes entry into the band or choir or private lessons. Requires consent of instructor.

Art

AR 011 — Art 1a. Cr. ½ unit

Introduction to two-dimensional design principles, colors, theory, painting and drawing with various media. Art history lectures. Breakage and studio fee required.

AR 013 — Art 1b. Cr. ½ unit

Introduction to three-dimensional design principles, sculpture methods using various materials. Art history lectures. Prerequisite: Permission of instructor.

AR 021 — Art 2a. Cr. ½ unit

Project oriented study of art open to qualified third or fourth class students. Prerequisite: Permission of instructor.

AR 022 — Art 2b. Cr. ½ unit

Continuation of AR 021; emphasis on materials and media: Prerequisite: Permission of instructor.

Agriculture

AG 011-012 — Agriculture I. Cr. ½-½ unit

Involves livestock reproduction; agronomy; horticulture; farm mechanics; and agricultural economics. Will also include practical work in the welding shop and greenhouse. AG 012 may be taken prior to AG 011. Under certain conditions the courses are partial fulfillment of the laboratory requirement. Lab fee required.

Biology

BI 021-022 — Biology I. Cr. ½-½ unit

Involves a study of plants and animals. Stresses the nature of scientific data. Laboratory work uses the metric system, the compound microscope, live organisms, dissection of plants and animals, student investigations, and teacher demonstrations. Lab fee required.

Physics

PY 031-032 — Physics. Cr. ½-½ unit

Introduces the fundamental physical concepts of time, space, and matter; the development of the wave nature of light; the study of the dynamics of motion; and electricity in a year sequence course. Includes demonstrations and outside reference readings. Lab fee required. Prerequisite: MA 021-022 MA 023-024.

ES 031-032 — Earth Science. Cr. ½-½ unit

Involves a study of physical processes of the earth and universe in a year's course. The fall semester is a survey of astronomy, meteorology, and oceanography. The spring semester is a survey of geology with extensive laboratory work in geologic processes. Lab fee required.

AV 031 — Aerospace Education. Cr. ½ unit

Involves the study of the scientific and technological fundamentals involved in flight. Encompasses the equivalent of a Federal Aviation Administration private pilot ground school and prepares the student to take FAA private pilot written examination. Program includes experimentation, field studies, long-term projects plus classroom instruction. Prerequisite: Permission of instructor. An extra fee is charged.

Chemistry**CH 031-032 — Chemistry. Cr. ½-½ unit**

Helps the student see how chemical principles are developed from experimental observations and data. Concepts are first introduced in simplest terms and slowly developed until the student can deal with their quantitative aspects. Because of its scope and in-depth development of concepts, the course is ideally designed for college preparatory students and is a year sequence course. Lab fee required.

Mathematics**MA 015-016 — Pre-Algebra. Cr. ½-½ unit**

Reviews the fundamental rules of arithmetic. Covers percents; square and square roots; ratio and proportion; extends the number system to include negative numbers; solutions of linear equations; graphing; and practical problems.

MA 021-022 — Algebra I. Cr. ½-½ unit

Covers letters representing quantities; positive and negative numbers; polynomials; simple equations; factoring; and introduction to the radical and exponential forms.

MA 023-024 — Geometry. Cr. ½-½ unit

Covers theorems; construction; practical applications of geometry to everyday living, circles; the measurement of angles and area; proportions; and similar polygons. Prerequisite: MA 021-022.

MA 033-034 — Algebra II. Cr. ½-½ unit

Reviews first year algebra. Extends on to numerical and literal quadratic equations; logarithms and the use of logarithmic tables in the solution of right triangles; arithmetic and geometric series; the binomial theorem. Prerequisite: MA 021-022. (Algebra II is the equivalent of Mathematics A2, quadratics and beyond, as designed by the College Entrance Examination Board).

MA 042 — Plane Trigonometry. Cr. ½ unit

Considers functions of acute angles; logarithms; solutions of right triangles; graphing of functions; identities; general triangles; applications of trigonometry to algebra. Stress is on applied problems. Prerequisite: MA 033-034.

ME 051-052 — Mechanical Drawing. Cr. ½-½ unit

Includes use of instruments; lettering plates; geometrical construction; drawing conventions; oblique projections; free hand sketching; detail and assembly drawing; development and blueprint. Five regular periods a week. Does not meet mathematics requirements. Lab fee required. Prerequisite: MA 023-024.

MA 061 — Calculus A. Cr. ½ unit

Covers differential calculus and functions of one real variable with applications and analytic geometry. Prerequisite: MA 033-034 and MA 042 with better than average grade.

MA 062 — Calculus B. Cr. ½ unit

Involves the integral calculus of functions of one real variable with applications and analytic geometry. Prerequisite: MA 061.

MA 025 — Computer Science. Cr. ½ unit

Explores the social and economic impact of computers on society both now and in the future. Topics include a general concept of computer operations; elements of BASIC, a programming language; and the writing and running of several programs on a computer by students. Prerequisite: MA 021-022. Uses PDP 11/70 and interactive remote terminals.

DIVISION OF SOCIAL SCIENCE AND BUSINESS ADMINISTRATION

Social Science**HI 011-012 — World History. Cr. ½-½ unit**

Surveys the economic, social, and political events and trends from ancient times to the seventeenth century. Second semester, seventeenth century to the present time.

HI 021-022 — United States History. Cr. ½-½ unit

Surveys in depth the political, economic, social, and cultural development of the United States from the colonial era to 1865. Second semester, the course surveys United States history from the beginning of Reconstruction to the present.

HI 031 — History of New Mexico. Cr. ½-½ unit

Surveys the political, economic, social, and cultural development of the State.

GV 031 — American Government. Cr. ½ unit

Introduces fundamental concepts of Federal, state, and city government; political ideals and standards of political morality in our Democracy compared to contrasting ideologies.

PS 041 — Psychology. Cr. ½ unit

Studies motivation and behavior patterns and the complex influences in our culture. Designed to encourage a scientific examination of human nature.

GO 021 — Geography and Current History. Cr. ½ unit

Includes a comprehensive study of the physical and political geography of the world today, focusing attention upon areas of conflict on the international scene.

SO 042 — Sociology. Cr. ½ unit

Studies the structure and nature of contemporary American society; explains the behavior of man as a group member; and includes a familiarization with society's technology, ideology, and social control system.

Business Administration**BA 031-032 — Bookkeeping. Cr. ½-½ unit**

Studies debit and credit as used in the journal and ledger; special journals, worksheets, and financial statements for closing books for a small business; partnership and corporation bookkeeping; principles of budgeting; business law; economics; taxation. A practice set of business papers is required.

BA 042 — Business Machines. Cr. ½ unit

Includes the use and operation of typewriter; 10-key adding machine; calculator; and ditto machine. Fee required.

BA 021-022 — Typewriting. Cr. ½-½ unit

Studies the location and manipulation of the keyboard; principal parts of the typewriter and their use; and the study of the business letter, term papers, and other special forms. Lab fee required.

Provides a basic understanding of the functions of business organizations with our economic and social environment; specific emphasis upon the handling of one's personal business affairs, and an individual's relationship to the world of work.

BA 052 — Introduction to Data Processing. Cr. ½ unit

Studies the development of data processing; examination of machine languages; and the writing of simple computer programs. Lab fee required.

BA 051 — Economics. Cr. ½ unit

Introduces fundamental economic concepts and the study of the five main divisions: consumption, production, exchange, distribution, and governmental functions.

BA 035 — General Business. Cr. ½ unit**PHYSICAL EDUCATION****PE 011, 012, 022 — Basic Concepts of Physical Education. Cr. ¼ unit each**

Designed for fifth class cadets, stressing the what, why, and how of physical fitness.

PE 031-032-041-042 — Exploring Lifetime Sports. Cr. ¼ unit each

Designed to introduce the third and fourth class cadets to many individual sports with lifetime carry-over value.

PEO 21 — Physical and Social Health. Cr. ½ unit

One semester course, designed to introduce cadets to basic survival skills in the areas of clothing and textiles, foods and nutrition, housing and design and personal and family relationships.

LEADERSHIP DEVELOPMENT TRAINING

Military training, offered through the Junior ROTC Program, is a cooperative effort contractually agreed to by the United States Army and NMMI as a means of providing high school cadets opportunities for leadership development in the interest of national security.

LD 011-012 — Leadership Development 1. Cr. ¼-¼ unit

The introduction to Leadership Development course consists of subcourses in: Introduction to ROTC and the Army, Introduction to Leadership Theory, Drill and Ceremonies, Hygiene and First Aid, Introduction to Maps and Map Reading, Introduction to Techniques of Oral Communications, Marksmanship and Safety to include the New Mexico Hunter Safety Program and introduction to Leadership Development 2.

LD 021-022 — Leadership Development 2. Cr. ¼-¼ unit

Intermediate Leadership Development consists of subcourses in: Intermediate Leadership, Drill and Ceremonies, Intermediate First Aid, Intermediate Map Reading, Intermediate Techniques of Oral Communications, Intermediate Marksmanship and Safety. The United States Army, People, Places, and Times, Service/ROTC Opportunities, the Role of the Army, and Introduction to Leadership Development 3.

LD 031-032 — Leadership Development 3. Cr. ¼-¼ unit

Applied Leadership Development consists of sub-courses in: Development of the Army, Service Opportunities, Applied Marksmanship, Psychology of Leadership, Leadership and Small Unit Leaders Problems, Seminar in Leadership and Management, Applied Methods of Instructions, Applied Map Reading, Leadership Development and Drill and Introduction to Leadership Development 4.

LD 041-042 — Leadership Development 4. Cr. ¼-¼ unit

Advanced Leadership Development offers sub-courses in: Military Occupational Speciality (MOS) Study, Advanced Methods of Instruction, Staff Functions and Procedures, Army and its role in National Development, Review of Advanced Map Reading and Leadership Development and Drill.

DIVISION OF STUDENT ASSISTANCE**RD 051 — Development Reading (Ex Libris). Cr. ¼ unit**

A course in reading improvement, including basic and advanced study methods for textbooks. All reading techniques and skills are developed to achieve flexibility, efficiency, and speed. Particular emphasis is placed on reading for critical evaluation. Grade: S or U - for transcript, not included in GPA. Additional fee required.

RD 052-053 — Corrective Reading. Cr. ¼-¼ unit

Required for students whose placement test scores fall below the thirteenth percentile. One or two semesters, depending on progress; films and other aids employed; stress on basic reading skills; some attention to study methods. Grade: S or U for transcript, not included in GPA.

RD 054-055 — Reading/Study Skills. Cr. ¼-¼ unit

A combination of two classes - How to Study and Corrective Reading - which meets five times per week. Students may volunteer for the class or be placed in it by their academic advisors. The instructor makes an individual diagnosis on each student enrolled and prescribes a program of study for each. Grade: Letter grade given, included in GPA.

RD 099 — Basic Skills. Cr. 0 unit

A course in improving basic skills necessary to come up to grade level. Instruction begins at very elementary levels of reading, phonics, etc., and moves at an individual pace for each student. Grade: S or U - for transcript, not included in GPA. Additional fee required.





ROTC PROGRAM

New Mexico Military Institute offers three years of Army JROTC in the high school' and the two year Basic Course or the two year Advanced Course of SROTC in the college. The curricula of both the high school and college programs are administered by the Military Science Division (MSD) as prescribed by the Department of the Army. Credit for each course of instruction is transferable among the institutions offering Army ROTC. All cadets are required to participate in the ROTC program and in drills, parades, reviews, ceremonies, inspections and practical training exercises germane to the ROTC program.

The Professor of Military Science (PMS) encourages cadets under contract to the United States Army to take two years of a foreign language and American Military History subject to the constraints of their proposed majors. Cadets to be commissioned at NMMI will take HI 221, American Military Experience in their sophomore year.

ADVANCED COURSE ARMY ROTC

General. This course at the New Mexico Military Institute permits a junior college student to complete all the requirements for a US Army commission and, unique to the Military Junior College (MJC) program, be commissioned in only two years upon graduation from NMMI. The program consists of the following major phases:

Basic ROTC Camp. A five and one half week camp operated by the US Army at Fort Knox, Kentucky, during the summer preceding entrance at NMMI as a college freshman. Applications for attendance must be made to the PMS prior to the 15th of April to permit adequate time for processing. Attendance at Basic Camp incurs no obligation.

In accordance with Army regulations and with the specific approval of the PMS, it is possible to waive the Basic Camp requirement for participation in the Advanced Course program based on prior accredited ROTC training and for active duty with any of the Armed Forces.

Advanced ROTC Camp. A six week camp operated by the US Army at Fort Riley, Kansas, during the summer between the student's freshman and sophomore years (with option to also request airborne, air assault, or other Army special courses, and two weeks with an active Army unit).

Eligibility: The program is open to all students who meet the following qualifications:

Mental. Have an acceptable score on either the ACT or SAT College Entrance Exam (ACT composite of 18 and above and/or SAT total of 850 and above) or the Cadet Evaluation Battery (CEB) administered by any university with Senior Army ROTC.

Age. Able to complete the program before reaching age 28.

Education. Be a high school graduate with a minimum GPA of 2.00 (C average).

Physical. Pass a standard Army or Service Academy Physical Examination.

Loyalty. Be an American citizen and pass the National Security Agency check.

Obligation. A cadet who desires to pursue a US Army commission is required to sign a contract which guarantees the student a commission in the Army Reserve provided he satisfactorily completes the prescribed course of ROTC instruction. In turn, the student agrees to serve on active duty as a commissioned officer for three years and three years with the Reserve. The student may also request the option of three to six months only of active duty and the remainder of eight years with the Reserve. A student does not incur any type of obligation by attending the Basic Camp and makes the decision to contract for the ROTC Advanced Course program when he begins the fall semester at NMMI.

Monetary Considerations. A contract student receives the following allowances: (Current dollar values are included in the insert to this catalog published by school year):

Subsistence. \$100.00 per month while enrolled in college during the cadet's freshman and sophomore years at NMMI (nine month school year).

Uniform Commutation. Approximately \$200.00 per year.

Basic Camp. Transportation is provided or travel expenses are reimbursed; food, clothing and housing are provided, and the student is paid at the rate of a private with less than four months of service for the five and one half week period of camp.

Advanced Camp. Transportation is provided or travel expenses are reimbursed; food, clothing and housing are provided, and the student is paid at the same rate as a cadet at the US Military Academy for the six week period of camp.

Under a Simultaneous Membership Program, cadets who are members of the National Guard or Army Reserve, or who will enlist in the National Guard or Army Reserve, may be eligible for cadet status in pay grade E5 with the National Guard or Army Reserve while in the Advanced Course. These cadets attend monthly drills with their units and two weeks of training in the summer either with their unit or another unit, at a time that does not interfere with Advanced Camp.

Commissioning. Commissioning options: Following graduation from NMMI (end of sophomore year), cadets will receive their commissions as second lieutenants. They are then deferred two years to obtain their baccalaureate degree. During these two years they may affiliate with National Guard or Army Reserve units as a second lieutenant (earning approximately \$3200 over two years) without affecting their ROTC status for coming on active duty or receiving a Regular Army Commission when they receive their baccalaureate degree. They may also elect not to affiliate.

Baccalaureate Degree. Upon receipt of the baccalaureate degree, a reserve officer from the MJC program will go on active duty for three years, or request active duty for training (three to six months) and subsequent reserve forces duty.

Regular Army Commission. Advanced ROTC cadets who are in the upper half of their academic class, in the upper third of their military class and who possess the required outstanding traits of leadership, character and general military aptitude, may be designated Distinguished Military Students (DMS) by the PMS. Those cadets so designated, and who retain their rating until they obtain a baccalaureate degree, may be designated Distinguished Military Graduates (DMG). DMGs are eligible to apply for commissioning as second lieutenants in the Regular Army rather than the Army Reserve.

BASIC COURSE ARMY ROTC

College students not qualified for participation or who elect not to contract in the Advanced Course program (MS III, MS IV), will be enrolled in the alternate ROTC program at NMMI, i.e., the Basic Course (MS I and MS II). This program prepares students for advanced ROTC participation in their final two years of college. Army three and four year scholarship winners follow the Basic Course route into the Advanced Course program. They take MS I and MS II at NMMI and MS III and MS IV at a college of their choosing. These cadets participate at NMMI in field training exercises with the Advanced Course cadets. Participants in the USMC Platoon Leaders Course also take the Basic Course program at NMMI.

JUNIOR ROTC (High School)

All high school cadets participate in the JROTC program. Non-English speaking foreign cadets in their first semester at NMMI spend their first semester taking an intensive English course to improve their language skill. Junior ROTC consists of Leadership Development courses 1 through 4 which coincide with the year the high school cadet enters the program and not the year he/she is in high school.

SERVICE ACADEMIES

The above programs may be taken by Service Academy aspirants while at the same time continuing Service Academy applications. The Army will release contract students from the ROTC program to enter any Service Academy. Senior ROTC cadets (college) are also eligible for nomination to the U.S. Military Academy without regard to quotas. High school cadets at NMMI are eligible to compete for distinguished military school nominations to the principal Service Academies as well.

ARMY ROTC SCHOLARSHIPS

The United States Army has authorized the PMS to process two, three and four year Army ROTC scholarships for qualified cadets each year. High school students may apply for four year scholarships and compete at the Basic Camp for two year scholarships (for use at a MJC only).

Additionally NMMI has ten two year ROTC scholarships that will be awarded to incoming college cadets. The two year scholarship is open to college freshmen. Four year scholarship winners may use the first two years of their scholarship at NMMI and then transfer their last two years to a four year school with Army ROTC. They then get exposure to both the disciplined military environment of a military junior college (MJC) and the more permissive environment of a four year school while concentrating on their academic major. The scholarships provide for the payment of all tuition, books, fixed school and laboratory fees for the scholarship period. The recipient must sign a contract with the US Army in which he/she agrees to serve on active duty for a period of four years and accept a commission in the Army Reserve or Regular Army - whichever is offered. Competition for Basic Camp two year scholarships is based not only on the candidate's prior academic and activity record just as the other scholarships are, but is also based on performance at the Basic Camp. The NMMI two year scholarships are based upon prior academic and activity records and do not require attendance at Basic Camp to compete for them. All qualified cadets may compete on an equal basis for the MJC two year scholarships. Those students not quite competitive enough to win a four year scholarship, often do very well and win a two year scholarship for use at an MJC.

OTHER ASSISTANCE

See page 16 of this catalog.



ATHLETICS

PHYSICAL EDUCATION

NMMI is aware that physical fitness builds minds as well as bodies. Therefore, participation—either through education classes, intramural sports, or other sponsored sports—is required of all cadets each semester of attendance at NMMI.

Physical Education offers the following activities: tennis, golf, bowling, volleyball, gymnastics, touch football, basketball, softball, soccer, body building, handball, swimming, skiing, kayaking, backpacking, orienteering and skin and scuba diving. Instruction in senior lifesaving and water safety is also available.

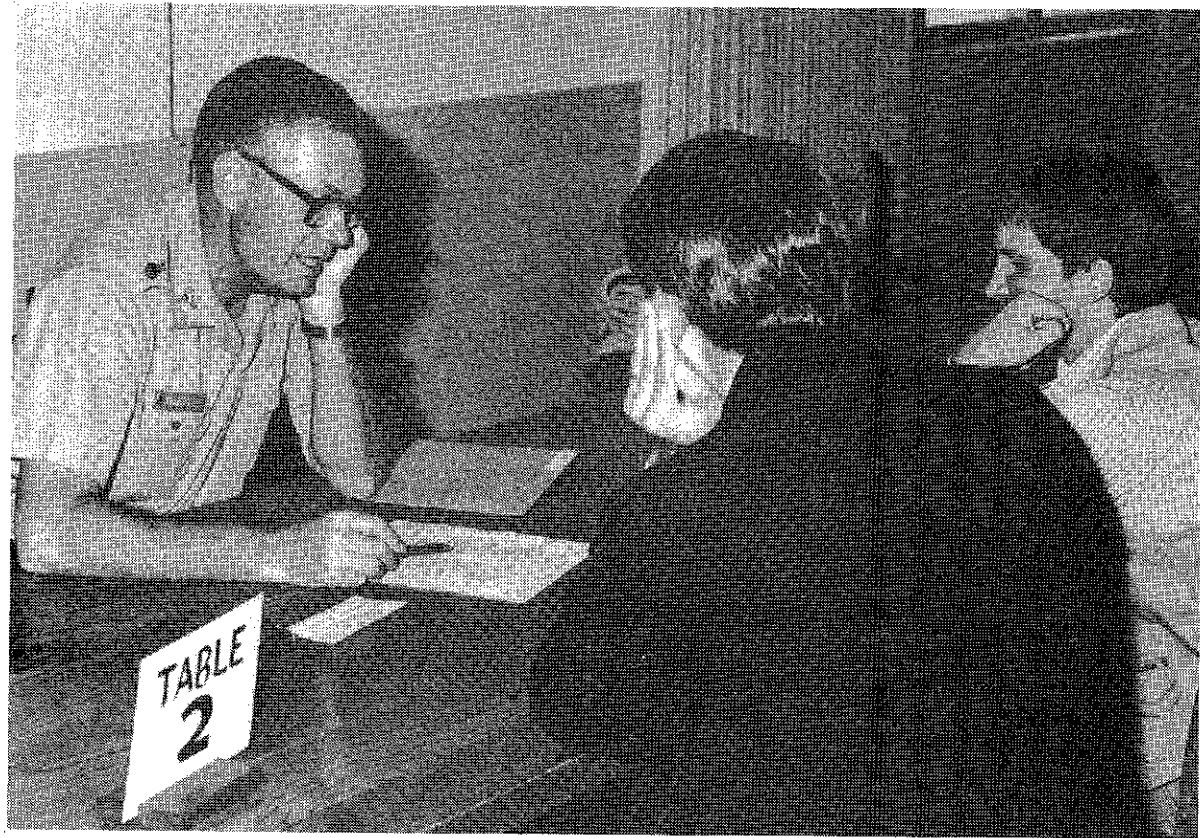
INTRAMURALS

Intramural athletics is a required afternoon program for all cadets. Cadets who participate in seasonal organized sports are excused from intramurals for the duration of the seasonal sport.

VARSITY ATHLETICS

New Mexico Military Institute participates in varsity sports in both the high school and junior college divisions. Members of the National Junior College Athletic Association, the junior college teams compete with other colleges in football, basketball, track, golf, tennis and soccer.

The high school varsity teams are members of the New Mexico Activities Association and participate at the AAA level of competition. Varsity teams are sponsored in the areas of football, basketball, track, soccer, swimming, golf, tennis, baseball, wrestling and rodeo.





FINANCIAL CHARGES AND PAYMENT POLICY

CHARGES FOR ALL CADETS

The total charge for the school year covers tuition and fixed school fees, which include room, board, laundry service (limited to a specific number of items each week), and accident insurance. (See Catalog insert).

Personal Account:

In addition to the tuition and fee charges, it is necessary that some provisions be made whereby cadets will have a fund of money that can be used to meet school and day-to-day expenses. Even though a cadet purchases or replaces uniforms at the beginning of the school year, replacement of lost or worn out articles becomes necessary throughout the year. The need for personal hygiene items and school supplies is ever-present.

Rather than requiring the cadet to keep large sums of money in his possession, New Mexico Military Institute requires that money be deposited to a cadet personal expense account. This plan provides for the advance deposit of monies in the personal expense account. Each cadet is issued a pad of charge slips which are used in lieu of cash for all on-campus purchases and for approved off-campus purchases.

NMMI requires that the cadet personal expense account maintain a minimum of \$80 credit balance at all times since the account legally represents NMMI's holding the cadet's money on deposit. When funded at a minimal level, this account does not provide for cadet transportation or excessive cash withdrawals.

Parental permission is required for cadets to withdraw funds from this account (except the regular weekly allowance) unless such withdrawal is required or authorized by the school. Every effort is made to ensure that the cadet's family is kept informed of cadet purchases. Generally, the cadet signs a charge slip each time a purchase is made. A monthly statement itemizing all purchases is forwarded to the parent (with a copy to the cadet) about the tenth of the following month.

MISCELLANEOUS INCIDENTALS**Health Fee:**

A required health fee is included in the total charges and covers routine use of the Marshall Infirmary for cases of minor illnesses. It does not cover special prescriptions, x-rays, laboratory procedures and consultations with specialists.

In the event of serious illness or accident, cadets are taken to a Roswell hospital.

Accident Insurance:

Also included in total charges is the cadet accident insurance. This is a requirement for all cadets and provides coverage for 24 hours a day including vacation periods. If the accidental injury does not require hospital or surgical care, full benefits are provided. If the injury requires surgical or hospital care for a total of less than \$50, the policy pays. If, however, the injury requires surgery or hospital care and the total charges are more than \$50, payment will only be made for those charges not covered by other family insurance up to the policy limits. This non-duplication of benefits provision allows the school to provide a group accident insurance policy for a nominal cost.

Laundry:

As previously noted, some laundry services are included in the total charges; however, coin-operated machines are also available for cadet use.

OTHER ITEMS NOT INCLUDED IN TOTAL CHARGES**Dry Cleaning, Pressing:**

Cleaning, pressing and repairs of uniforms are expenses that are incidental to the proper maintenance of a cadet's clothing, whether at home or at school. Dry cleaning services are available to cadets, but charges for these services are made against the cadet personal expense account.

Haircuts:

In order to present a neat, well-groomed appearance, regular haircuts are required. A barbershop is provided at an additional cost of \$18 per semester. This facility is available for the cadets and a charge for the service is made whether the cadet avails himself of this service.

REGULATIONS CONCERNING PAYMENTS

Cadets are enrolled at the time of their entrance for the entire academic year or for the unexpired portion thereof.

Charges for tuition and fixed school fees are assessed for a full academic year. Cadets are expected to meet all financial obligations when they fall due. When the deferred payment plan is adopted, it is expected that each deferred payment will be made in a prompt manner. Under a deferred payment plan all costs are to be completed by matriculation for the second semester.

There is a service charge under this plan. Cadets receiving financial aid, scholarship grants, or Senior ROTC monies may be further deferred on an individual basis based on a plan worked out by the Business Office, the individual and the Financial Aid Office.

New Mexico Military Institute reserves the right to deny admission, to withhold student records and to drop any cadet who fails to meet these financial obligations in a prompt manner.

Checks and money orders should be made payable to New Mexico Military Institute with the cadet's name marked in a legible manner on the face of the check.

Refunds

When a cadet is admitted to NMMI, it is assumed that it is for the entire academic year. All faculty officers are engaged for the year and other arrangements for the housing and education of the cadets are provided for on the same basis.

Therefore, no refunds will be made of tuition and fees for withdrawals, or dismissals for disciplinary reasons, during the school year. Refunds for the prorated cost of board and laundry service will be made if the withdrawal occurs prior to the end of the semester or year. Balances remaining in the personal expense account will be refunded after all costs have been assessed.

Uniform Issue (subject to change)

Male

Bathrobe	1 ea.
Belt & Buckle	1 ea.
Cap, Garrison	1 ea.
Cap, Service Blue	1 ea.
Gloves	1 pr.
Gym Shirt	2 ea.
Gym Shorts	2 ea.
Name Tags	2 ea.
Overcoat/Raincoat	1 ea.
Service Jacket	1 ea.
Shirt, Khaki Long Sleeve	2 ea.
Shirt, Khaki Short Sleeve	3 ea.
Shirt, Red	2 ea.
Shirt, White Dress	1 ea.
Shirt, White short sleeve w/shoulder loops	2 ea.
Shoes, Dress	1 pr.
Sox, Black	9 pr.
Sox, White	6 pr.
Sweat Pants	1 ea.
Sweat Shirt	2 ea.
Sweater	1 ea.
Ties	2 ea.
Trousers, Dress Green	3 pr.
Trousers, Dress Blue	1 pr.

Uniform Coat Blue*	1 ea.
Athletic Supporter	1 ea.
Barracks Bag	2 ea.
Insignia Set	1 ea.
Shine Kit	1 ea.
Window Card	1 ea.

*May be easily converted to Commissioned Officer's Army Blue Uniform coat for those being commissioned.

Female

Beret, Black	1 ea.
Bathrobe	1 ea.
Belt & Buckle	1 ea.
Cap, Utility Red	1 ea.
Gloves	1 pr.
Gym Shirt	2 ea.
Gym Shorts	2 ea.
Nametags	2 ea.
Overcoat	1 ea.
Service Jacket	1 ea.
Shirt, Khaki Long Sleeve	2 ea.
Shirt, Khaki Short Sleeve	3 ea.
Shirt, Red	2 ea.
Shirt, White short sleeve w/shoulder loops	2 ea.
Skirt, White Dress	1 ea.
Shirt, Dress Blue	1 ea.
Slack, Dress Blue	1 pr.
Slack, Green Gab.	3 pr.
Shoes, Low Quarter	1 pr.
Sox, Black	9 pr.
Sox, White	6 pr.
Sweat Pants	1 ea.
Sweat Shirt	2 ea.
Sweater	1 ea.
Ties	2 ea.
Uniform Coat Blue*	1 ea.
Barracks Bag	2 ea.
Insignia Set	1 ea.
Shine Kit	1 ea.
Window Card	1 ea.

*May be easily converted to Commissioned Officer's Army Blue Uniform Coat for those being commissioned.

Other items which may be brought from home, purchased in the cadet store or locally:

Pillow
Pajamas
Bedroom Slippers

Toilet Articles including toothbrush, hairbrush, and nail brush

Clothes Brush

Tennis Shoes (white preferred)

Seven sets of white underwear

Two sets of plain, white twin bed sheets and pillow cases—no fitted sheets

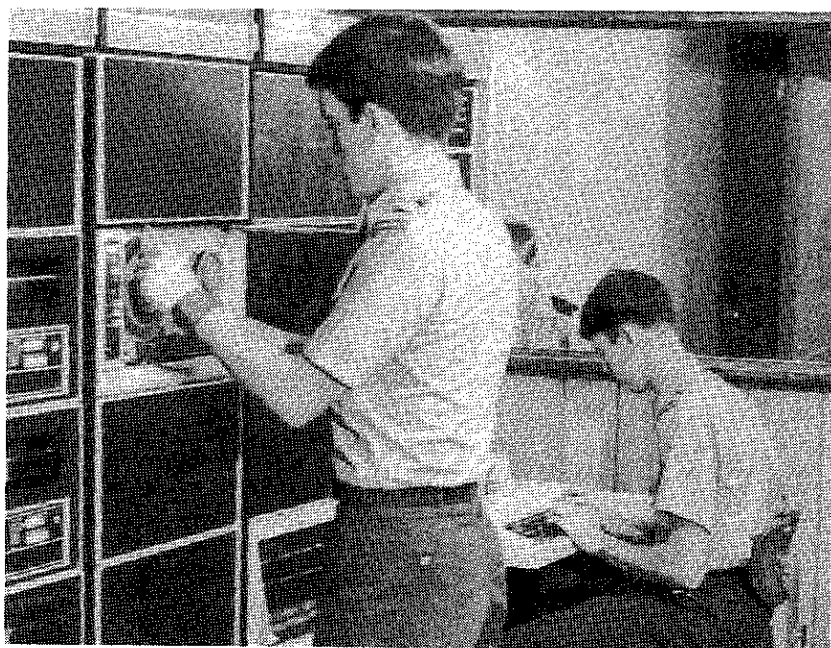
Seven white terry cloth bath towels and wash cloths

Minimum civilian clothing which will be stored separately and only worn going to and from furloughs if at all

(Females only) Natural tone panty hose or the equivalent for wear with all uniform skirts

Each cadet room may have a small television set, a radio, a record/tape player or a combination set of the above. Musical instruments which can be stored under a bed are permitted. New cadets should wait until they can consult their roommate before bringing these items.





THE BOARD OF REGENTS

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OFFICERS OF THE INSTITUTE

(Year) indicates beginning of Institute service.

ADMINISTRATION

Gerald Childress, Brigadier General, USA Ret.;
 Major General, NMMI (1977) Superintendent
 B.S. Virginia Polytechnic Institute
 M.S. George Washington University
 Armed Forces Staff College
 USA Command and General Staff College
 National War College

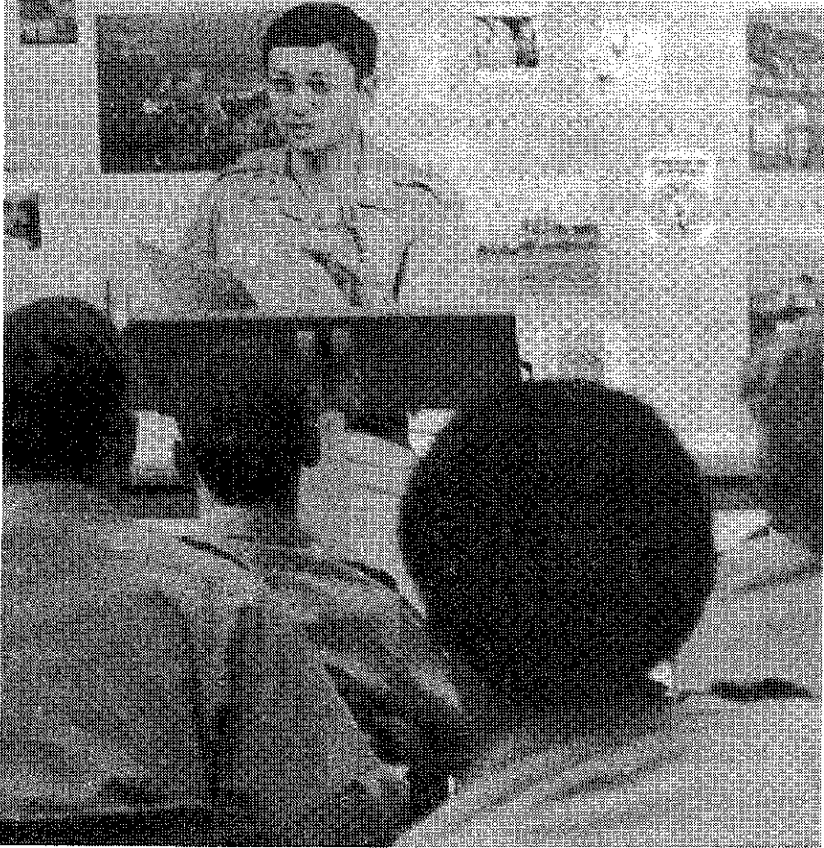
James H. Elliott, Colonel, NMMI (1974) Deputy Superintendent
 for Administration
 B.A. New Mexico Highlands University
 M.A. New Mexico Highlands University

Donald M. Buchwald, Colonel, USA Ret. (1977) Chief
 of Staff
 B.S., US Military Academy
 M.A., Fairleigh Dickinson University
 M.S., Long Island University
 USA Command and General Staff College
 USA War College

Robert T. Wagner, Colonel, AUS Ret.
 Lieutenant Colonel, USA Ret. (1979) Academic Dean
 Professor of Physics
 B.S., US Military Academy
 M.S., University of Virginia
 Ph.D., University of Virginia
 USA Command and General Staff College
 Industrial College of the Armed Forces

Alva D. Brownfield III, Captain, USAR
 Lieutenant Colonel, NMMI (1978) Commandant of Cadets
 A.A., New Mexico Military Institute
 B.A., Texas Technological University
 USA Command and General Staff College

**Adrian J. Martinez, Lieutenant Colonel, NMMI (1963) Associate Dean
and High School Principal,
Associate Professor of Foreign Languages
B.A., University of New Mexico
M.A.T.S., University of New Mexico**



FACULTY

- Wendell H. Affsprung, Major NMMI (1974) Assistant Professor
of English;
Chairman, Department of English
B.A., University of Cincinnati
M.A., Washington University
Ph.D., Washington University
- Joe A. Alexander, Captain, Adjutant General Corps (1979) Assistant Professor
of Military Science/Enrollment Officer/
Scholarship Officer
B.S., Cameron University
- Theodore H. Alley, Sergeant First Class, Infantry (1980) Chief
Instructor, JROTC
- David F. Bartl, Major NMMI (1972-1974) (1977) Assistant Professor
of English
B.A., College of St. Thomas
M.A., College of St. Thomas
- Edward L. Bencini, Captain NMMI (1976) Counselor
B.A., Southern Illinois University
M.Ed. Southern Illinois University
- Lamar Birchfield, Sergeant First Class, Infantry (1978) Senior
Instructor SROTC
- Ronald D. Brashear, Major NMMI (1976) Assistant Professor
of Mathematics
B.S., Sam Houston State University
M.A., Sam Houston State University
- Jerry Dwight Burns, Captain NMMI (1978) Instructor of
Physical Education
B.A., Angelo State University
- Phillip T. Campbell, Major, Corps of Engineers (1979) Assistant
Professor of Military Science
B.A., Lander College
M.A., Webster College
- Phillip M. Carlson, Major NMMI (1971) Assistant Professor
of Foreign Language
B.S., California State College of Pennsylvania
M.A., Millersville State College
- William P. Carroll, Major, Field Artillery (1977) Senior
Assistant Professor of Military Science
B.A., San Francisco State University
USA Command and General Staff College

- Alfred L. Castle, Major NMMI (1976) Assistant Professor
of History & Philosophy
B.A., Colorado State University
M.A., Colorado State University
D.A., The International University
- Donald Ray Clark, Captain NMMI (1981) Instructor of Biology
B.S., Eastern New Mexico University
M.S., New Mexico State University
- Terry L. Cleveland, Lieutenant Colonel NMMI (1973) Professor of
Mathematics; Chairman of the Division
of Natural Science and Mathematics
B.A., Fort Hayes Kansas State University
B.A., University of Missouri
D.A., University of Northern Colorado
- Robert L. Cooch, Jr., Major, Armor (1980) Assistant
Professor of Military Science
B.A., University of California—Davis
- Edmond R. Croix, Master Sergeant,
USA Ret.; Major NMMI (1971) Instructor, JROTC
A.A., Eastern New Mexico University
- David J. Davis, Captain, Infantry (1981) Assistant
Professor of Military Science
B.A., Virginia Military Institute
- Michael Donovan, Captain NMMI (1979) Instructor
of Music and Bandmaster
B.A., University of California, Riverside
M.Mus., University of Oregon
- Edward N. Eckert, Colonel, USA Ret. (1979) Senior Army Instructor,
JROTC
B.S., US Military Academy
Armed Forces Staff College
USA Command and General Staff College
- Harold A. Edmonson, Captain NMMI (1980) Instructor of
Social Science
B.A., New Mexico Highlands
M.A., New Mexico Highlands
- Vernon R. Edmondson, Colonel USAF Ret. (1973) Assistant Professor
of Philosophy, Chaplain
B.A., Southern California College
B.D., Berkley Baptist Divinity School
M.A., New Mexico State University
- Charla Featherstone, Captain NMMI (1978) Instructor of
Mathematics
B.S., Texas Christian University

- James E. Fraser, Captain, Military Intelligence (1980) Assistant Professor
of Military Science
B.S., Montana State University
USA Command and General Staff College
- Andalecio S. Gallegos, Captain NMMI (1981) Instructor of
Foreign Languages
B.S., New Mexico Highlands University
M.S., New Mexico Highlands University
- Jerry Garcia, Captain NMMI (1978) Instructor
of Mathematics
B.S., Eastern New Mexico University
M.S., Eastern New Mexico University
- William E. Gibbs, Lieutenant Colonel NMMI (1976) Associate Professor
of History; Chairman of the Division
of Social Sciences and Business Administration
A.B., Ohio State University
M.A., Marshall University
Ph.D., Kent State University
- James V. Hall, Jr., Lieutenant Colonel NMMI (1966) Director
of Student Assistance Center;
Associate Professor of English
B.S., Eastern New Mexico University
M.S., Purdue University
- Charles K. Hanson, Colonel, Infantry (1980) Professor of
Military Science
B.A., Montana State University
M.A., University of Kansas
USA Command and General Staff College
- William F. Harris, Colonel NMMI (1950) Professor of
Biology; Chairman, Department of Biology
B.S., Oklahoma State University
M.S., Oklahoma State University
- John M. Hiller, Major NMMI (1971) Assistant Professor
of Physical Education;
Head Colt Basketball Coach
B.S., Notre Dame University
M.S., University of New Mexico
- William R. Holmes, Lieutenant Colonel NMMI (1967) Associate
Professor of Chemistry
B.S., Southern Oklahoma State University
M.S., University of Oklahoma
- J.J. Jenkins, Lieutenant Colonel NMMI (1965) Associate
Professor of Chemistry
B.S., Texas Tech University
M.S.T., University of Arizona

- Marilyn M. Klein, Captain NMMI (1979)** **Clinical Psychologist
and Instructor in Psychology**
 B.S., New Mexico State University
 M.A., New Mexico State University
- Dana F. Kwist, Major, Air Defense Artillery (1980)**..... **Assistant
Professor of Military Science**
 B.B.A., University of Texas at El Paso
 M.A., Ball State University
- Gary V. Larson, Lieutenant Colonel NMMI (1968)**..... **Associate
Professor of Social Science**
 B.A., University of Northern Colorado
 M.A., University of Northern Colorado
- Ben D. Ledbetter, Captain NMMI (1980)** **Instructor of
Physical Education; Head Bronco Basketball Coach**
 B.S., The Citadel
 M.A.T., The Citadel
- Richard G. Limbaugh, Colonel NMMI (1963)**..... **Professor
of English**
 B.S., Southeast Missouri University
 M.A., San Francisco State University
 D.A., University of Central Arizona
- Robert S. Link, Captain NMMI (1980)** **Instructor
of Physical Education; Head Swimming Coach**
 A.A., University of Florida
 B.S., University of New Mexico
 M.A., Colorado State University
- Darlene L. Logan, Captain NMMI (1981)** **Instructor of
English**
 B.A., University of Toledo
 M.A., Texas Tech University
- Allen J. Lovelace, Colonel NMMI (1958)** **Professor of Biology**
 B.S., North Texas State University
 M.S., North Texas State University
- Louis A. Lucero, Sergeant Major, Infantry (1975)**..... **Detachment
Sergeant Major/Chief Instructor SROTC**
- Richard D. Lucero, Captain NMMI (1979)** **Assistant Professor
of Foreign Language**
 B.A., University of New Mexico
- Robert A. MacArthur, Colonel NMMI (1957)** **Associate Professor
of Physics; Chairman, Department of Physics**
 A.A., Westminster Junior College
 M.A., Western State College of Colorado
 Ph.D., University of Wisconsin

- Austin A. Maley, Lieutenant Colonel NMMI (1968) Associate
Professor of Social Science
B.A., St. Edward's University
M.A., Notre Dame University
- Jean C. Maley, Captain NMMI (1974) Instructor
of Foreign Language
B.S., University of Minnesota
- Vance J. Martensen, Captain NMMI (1981) Instructor
of English
A.A., NMMI
B.A., Eastern New Mexico University
M.A., Stanford University
- Dawnell Massey, Captain NMMI (1980) Instructor
of Physical Education
B.A., New Mexico State University
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of Physical Education; Head Bronco Tennis Coach
B.A., Willamette University
- Eugene F. McGuire, Colonel NMMI (1959) Associate Professor
of Business Admin. and Social Science
B.S., West Texas State University
M.A., University of California, Berkeley
- M. Bruce McLaren, Lieutenant Colonel NMMI (1976) Director,
Learning Resource Center
B.A., Western Michigan University
M.Ed., Wayne State University
- Michael M. Mills, Lieutenant Colonel NMMI (1969) Assistant
Professor of Mathematics
B.S., Texas Tech University
M.A.T., Western Michigan University
- James B. Montgomery, Major NMMI (1981) Instructor of
Biology
B.S., Oklahoma State University
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Ph.D., Texas Tech University
- M. Terry Moore, Captain NMMI (1976) Assistant Business Admin.;
Chairman, Department of Business Admin.
B.BEd., Eastern New Mexico University
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M.BA., Eastern New Mexico University

- Harold E. O'Neil, First Sergeant,
USA Ret.; Lieutenant Colonel NMMI (1955-62) (1965) Associate Professor
of History; Instructor JROTC
B.U.S., Eastern New Mexico University
M.Ed., Eastern New Mexico University
- Sam Outlaw, Sergeant First Class, Infantry (1979) Instructor,
SROTC
- Bennie A. Padilla, Colonel NMMI (1962) Professor of
Foreign Language
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Ph.D., Interamerican University
- Mary L. Peckinpugh, Captain NMMI (1981) Assistant Professor of
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B.S., Eastern New Mexico University
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- Joseph D. Posz, Lieutenant Colonel USA Ret. (1976) Assistant
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- Uvaldo Quintana, Major NMMI (1972) Assistant Professor of
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B.A., University of Oklahoma
M.A., University of Kansas
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M.A., Ohio State University
- Worley N. Reynolds, Captain NMMI (1980) Coordinator
Library/Media Services
B.A., Abilene Christian College
M.A., University of New Mexico
M.A., University of South Florida
- Ken W. Ridenour, Captain NMMI (January, 1980) Instructor
of Agriculture
B.S., New Mexico State University
M.S., New Mexico State University

- Gwen A. Robbins, Colonel NMMI (1969) Professor of English;
Director of Continuing Education
B.S., Emporia State University
M.A., Wichita University
E.Ed., Oklahoma State University
- John C. Robbins, Sergeant First Class,
USA Ret.; Major NMMI (1973) Instructor, JROTC
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- Jay R. Smith, CDR, USN Ret. (1981) Instructor of
Mathematics
B.S., US Naval Academy
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Business Administration
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- Carol Ann Stacy, Captain NMMI (1977) Instructor of Physical Education;
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Physical Education; Head Bronco Football Coach
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- C. William Tarter, Jr., Lieutenant Colonel NMMI (1969) Associate
Professor of P.E.; Athletic Director; Chairman, Health,
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M.A., Eastern New Mexico University
- James F. Thompson, Lieutenant Colonel NMMI (1964) Associate
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- James M. Timmons, Captain NMMI (1978) Assistant Professor/
Advisor Student Assistance Center
B.A., College of Santa Fe
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- D. Paul White, Lieutenant Colonel NMMI (1968) Assistant Professor
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B.S., Oklahoma Baptist University
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- Fredrik William Wiant, Major, Signal Corps (1981) Assistant
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M.A., Stanford University
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- Kenneth W. Willis, Major NMMI (1973) Assistant Professor
of English; Chairman, Division of Humanities
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M.Ed., Eastern New Mexico University
- E. Ken Zuber, Captain NMMI (1977) Assistant Professor
of Mathematics
B.S., East Texas State University
M.S., East Texas State University





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- Frances P. Birchfield, Captain NMMI (1978) Training
and Control Officer
- Harry D. Blake, Jr., Colonel, USAR Ret.;
Brigadier General, NMSG (1974-1976) (1979) Director of Development
B.S., New Mexico Military Institute
Industrial College of the Armed Forces
USA Command and General Staff College
- Velton R. Chancey (1978) Director, Physical Plant
B.A., Eastern New Mexico University
- Bill J. Chenoweth, Captain NMMI (1971) Manager, Bowling Alley
- Judy A. Collins (1980) Accountant
A.A., Eastern New Mexico University
B.B.A., Eastern New Mexico University
M.B.A., Eastern New Mexico University
- Carl A. Dahlberg III (1980) Director of Computer Services
B.A., Whittier College
- Sharon Dwinnell, Captain NMMI (1980) Manager, Post Exchange
- Edwin E. Dyess (1978) Assistant Director, Physical Plant
B.B.A., Eastern New Mexico University
- Bill G. Eastham, Major NMMI (1981) Public Affairs Officer
B.A., Indiana University
- N. Bradley FitzGerald, Captain NMMI (1980) Training
and Control Officer
- Richard A. Frankenfield, Captain NMMI (1974) Chief of Police
- Jerry E. Green, Captain NMMI (1978) Newsletter Editor,
Sports Information
- Karl H. Kroll, MSG, USA Ret.;
Captain, NMMI (1980) Training and Control Officer
"Buhman" Business College (Hanover, Germany)
- William E. Lee, Major NMMI (1966-1974) (1979) Squadron
Training and Control Officer
B.S., New Mexico State University
- Joe A. Mainello, Lieutenant Colonel, USAR (1968) Assistant
Public Affairs Officer
B.S., New Mexico Military Institute
- Valerian Martin, Jr., LTC, NMSG;
Major NMMI (1980) Squadron Training and Control Officer
US Army Command and General Staff College

- James H. Matchin, Major, NMMI;
 Captain, USAR (1976) Associate Director of Admissions
 A.A., New Mexico Military Institute
 B.A., New Mexico State University
- Elfreda McMillan (1977) Chief, Word Processing Center
 Platt Gard Business College
- Ernest R. McMillan, Jr., Master Gunnery Sergeant,
 USMC Ret.; Major, NMMI; Lieutenant Colonel, NMSG (1976) Squadron
 Training and Control Officer, Boxing Coach
 B.A., San Diego State University
- Oliver J. Medaris, Major, AUS Ret.; (1969) Manager, Cadet Store
 B.A., Central State University
- William R. Milstead, Major, NMMI (1968) Manager,
 Post Office & Laundry
- Junso Ogawa, Major NMMI (1976-77) (1979) Operations
 Officer, Office of the Commandant
- Kathleen M. Overholt (1960) Head Cashier
- Joseph R. Phelan, Major NMMI (1975) Comptroller
 B.S., Missouri Valley College
- Edward J. D. Porter, Colonel, USA Ret. (1976) Alumni
 Executive Secretary
 A.A., New Mexico Military Institute
 B.G.E., University of Omaha
 M.S., Shippensburg State College
 USA Command and General Staff College
 USA War College
- George B. Robbins, Jr., Colonel,
 USA Ret.; (1970-1978) (1980) Director, L.T. Godfrey Athletic Center
 B.S., University of Maryland
 M.B.A., George Washington University
 Armed Forces Staff College
 USA Command and General Staff College
 Industrial College of the Armed Forces
- Alton L. Sample, Lieutenant Colonel, NMMI (1954) Director
 of Cadet Services
- David Scott, Lieutenant Colonel, NMMI (1980) Internal Auditor
 B.A., Eastern New Mexico University
 M.B.A., Eastern New Mexico University
- Robert E. Shea, CWO, USA Ret.; Major, NMMI (1975) Registrar
 B.A., Holy Cross College
 M.Ed., University of Maryland
- Erma T. Spurlin (1974) Administrative Assistant

- Dorothea E. Stone, (1972) Director, Financial Aid
B.A., University of Denver
- Stanley E. Taylor, Master Sergeant, USAR;
Major, NMMI (1972) Director of Procurement
B.B.Ed., Eastern New Mexico University
M.B.A., Eastern New Mexico University
- Ray M. Toon, Captain, NMMI (1979)..... Accountant
B.A., New Mexico State University
- Dennis W. Waggoner (1979)..... Systems Manager, Computer Center
- Joel Webb (1969) Rodeo Director
- Coryton C. Woodbury, Captain NMMI (1976) TV/Audio Visual Director
- Thomas Woods, MSG, USA Ret. ;
Major, NMMI (1973) Adjutant, Office of the Commandant
- William C. Wyles, Major, NMMI (1973). Director of Admissions
A.A., New Mexico Military Institute
B.S., University of Arkansas
- Oma B. Yowell (1968)..... Assistant Manager, Cadet Store
- Martin L. Zeller, Captain, NMMI (1980)..... Training and Control Officer
A.A., New Mexico Military Institute
- George F. Ziegler, CWO, USAF Ret. (1973)..... Supply Specialist,
Military Science Division

ERRATA

- Thomas M. Gross, Captain, Infantry (1981) Assistant
Professor of Military Science
B.S., US Military Academy
- John C. Schaeffer, Major, USAF Ret. (1981) Counselor
B.S., Loyola and Mary Mount University
M.S., Ball State University
- David G. Smith, Captain, Air Defense Artillery (1981) Assistant
Professor of Military Science
B.A., Mankato State University

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