



*"A Century  
of  
Excellence"*

# NEW MEXICO MILITARY INSTITUTE

Est. 1891

## Course Catalog 1990-1992





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

**Member of**

American Association of Community and Junior Colleges  
American Council on Education  
Association of Military Colleges and Schools of the U.S.  
Association of Collegiate Business Schools and Programs  
Association of Governing Boards  
National Association of Campus Activities  
North Central Conference of Summer 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 call or write:**

Director of Admissions  
New Mexico Military Institute  
Roswell, New Mexico 88201  
In New Mexico - (505) 624-8050  
Outside of New Mexico - 1-800-421-5376

## **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 a 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. New Mexico Military Institute considers all students as "dependent" as defined by Internal Revenue Code of 1954, Section 152. Proof of "independent" status must be presented to the Registrar prior to the start of the third academic week.

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 name, 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 must so notify 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.

## **NOTICE OF CHANGE**

The New Mexico Military Institute Board of Regents reserves the right to change or withdraw, without notice, courses, curricula, policies, tuition, fees, or any other matter contained in this catalog. Such changes are recorded in the Registrar's Office.



## SUPERINTENDENT'S MESSAGE

The mission of New Mexico Military Institute, as a State supported school, is to provide the citizens of the State of New Mexico and the Nation a college preparatory program in the high school and a college transfer program in the junior college in the disciplined environment of the Corps of Cadets. Further, the Institute provides instruction to the cadets for the development of leadership, character, integrity, self-esteem, and physical well-being. The Reserve Officer Training Corps (ROTC) program is offered to all cadets, and junior college contract cadets have the opportunity to acquire an Army commission in two years.

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 the very finest facilities in order to create an atmosphere that is intellectually inspiring.

A handwritten signature in cursive script, reading "Winfield W. Scott, Jr." The signature is written in dark ink and is positioned above the printed name.

WINFIELD W. SCOTT, JR.  
Lieutenant General, USAF, Ret.  
Superintendent

## 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:

Mesa Airlines (800) 637-2247

Great Southwest Charter Service (505) 347-5405

Bus: Texas, New Mexico, Oklahoma Bus Company (Greyhound)  
(505) 622-2510

Temperatures:

	Average Maximum	Average Minimum	Average
Winter	56.4	26.1	41.2
Spring	75.3	43.4	77.5
Summer	91.5	63.4	77.5
Fall	74.5	44.5	59.5

The Ski Apache (Ruidoso) ski area is 1 1/2 hour drive away, as are hunting, fishing, and camping opportunities.

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## **BOARD OF REGENTS POLICY STATEMENT**

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

The junior college is primarily designed to prepare students for transfer to four-year colleges and universities. An Associate in Arts degree is awarded to qualified graduates.

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

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.

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

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 Corps of Cadets.

Cadets at New Mexico Military Institute are encouraged to attend non-denominational or Catholic chapel. 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.

All full-time students are required to be unmarried resident members of the Corps of Cadets, to participate in military science and physical education activities, and wear the cadet uniform.



## HISTORY

Roswell, New Mexico dates back to 1866 when it was a cowboy outfitting station on the Chisum Trail and, at that time, was called Rio Hondo. It acquired a post office in 1873 and was then named Roswell. At that time there was no institution of higher learning in eastern New Mexico and only one in the entire New Mexico Territory -- St. Michael's in Santa Fe founded in 1859. This area of New Mexico around Roswell was the historic border 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 operation in 1895, reopened at its present location 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 the 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, including 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 1917 the Institute was first accredited by the North Central Association of Colleges and Secondary Schools.

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 went from an armor branch emphasis 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.

Since 1956 NMMI has maintained its basic commitment to a first-rate college preparatory and two-year college education. In 1977 the first female cadets were enrolled and their number has steadily grown since then. In 1980, New Mexico Military Institute received an unusual ten-year accreditation from the North Central Association of Colleges and Secondary Schools. The high school division is accredited as college preparatory, the highest honor paid a public secondary school. New Mexico Military Institute continues its unbroken tradition of being named a military honor school by the Department of the Army.

Today, the academic curriculum includes a four-year senior preparatory high school and a two-year junior college. A number of qualified graduates of the Institute are commissioned as second lieutenants in the United States Army Reserve on graduation.

## **LEADERSHIP AND DISCIPLINE**

The Corps of Cadets at New Mexico Military Institute 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 U.S. 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 are assigned to rooms in the barracks with fellow new cadets of the same academic year. They march to formations with their troops. As a new cadet, the student is held to the highest standards and is trained 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 New Mexico Military Institute 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 semester in college) is placed in a less stressful environment and may be given supervision over new cadets in his unit. It is during this period that the cadet is carefully coached and evaluated on 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**

**Sixth Class** (equivalent to high school freshman). A limited number of high school freshmen are admitted to New Mexico Military Institute each year. A minimum grade point average of 2.5 in the seventh and eighth grades and an on-campus interview are required for admission.

**Fifth Class** (equivalent to high school sophomore). A cadet must have completed five-and-one-half 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 eleven-and-one-half academic units that apply toward the high school diploma.

**Third Class** (equivalent to high school senior). A cadet must have completed seventeen academic units that apply toward the high school diploma and have completed all but one unit in each of the core curriculum sequences.

**Second Class** (equivalent to college freshman). A cadet 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. In addition, completion of one semester in residence is required.

## HONOR SYSTEM

The Honor Code and Honor System of the Corps of Cadets at NMMI belong to the Corps of Cadets but operate under the sanction of the Commandant of Cadets. Simply stated, a cadet is expected not to lie, cheat, nor steal, nor tolerate those who do. Violations of the code may 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 trained in all aspects of the honor system, and prospective cadets are encouraged to think out carefully the implications of non-tolerance before joining the Corps.

## TYPICAL CLASS DAY

6:00 am	First Call
6:15 am	BRC (Breakfast Roll Call) Formation
7:15 am - 8:00 am	Academic Extra Help
7:15 am - 3:00 pm	Academic Time
11:35 am - 12:20 pm	Noon Meal
3:00 pm - 6:00 pm	Intramurals, Corps Sports
3:15 pm - 4:00 pm	Drill (Mondays only)
6:00 pm - 7:00 pm	Retreat and SRC (Supper Roll Call) Formation
7:00 pm - 9:30 pm	Night Study Hall (NSH)
9:30 pm - 10:00 pm	Free Time
10:00 pm	Taps

## FURLOUGHS

A furlough is the time a cadet may leave NMMI to go home. Furloughs are directly related to activities, grades or deportment. A cadet whose grades or deportment fall below a "C" average loses his or her furlough privilege. Furloughs are taken only 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 Thanksgiving break, the Christmas break and Spring break.

## REQUIREMENTS FOR ADMISSION TO THE HIGH SCHOOL DIVISION

Regular admission to the high school division begins with the tenth grade (fifth class). Such applicants must have earned a grade point average of 2.0 (C) or better in all previous high school work and must have performed satisfactorily on an entrance examination. The preferred examination is the Secondary School Admissions Test (SSAT). Although personal interviews are not required, applicants and their parents are encouraged to visit the Institute and tour the campus.

Carefully selected ninth graders (sixth classmen) are admitted annually. Admission to this class is competitive, requiring a personal interview and a minimum grade point average of 2.50 in the seventh and eighth grades.

Accepted applicants are placed in classes at New Mexico Military Institute in accordance with the number of credits earned at the time of initial enrollment. Progress through the curricular requirements is performance rather than time based. Curricular requirements will not be waived.

Based on the counsel of the faculty advisor and on demonstrated academic ability, a high school senior may be permitted to take college courses concurrently with high school courses, either for high school or college credit.

New students are admitted only at the beginning of the Fall and Spring semesters.

## THE ACADEMIC TALENT PROGRAM

High school cadets who test at a superior level and/or demonstrate superior ability and performance during their new cadet year will be offered the opportunity for further testing toward the possibility of acceleration or special projects in their program of academic studies at NMMI.

The Academic Talent Program for superior high school students provides for (a) the identification of such cadets and for (b) programming to provide them with enriched and/or accelerated learning opportunities. Prospects for this program are identified during their new cadet year. Each prospect is then contacted to explain the program and ascertain the cadet's interest. If the cadet is interested, additional achievement testing is administered, and a counselor interview is conducted for assessment and evaluation. Input from the cadet's instructors will be requested.

If the cadet is then considered qualified for and interested in an individualized educational program, the cadet and the academic advisor will work together, with the approval of the parent or guardian, to design a special graduation plan. This plan will be signed by the parent or guardian, approved by the Director of the Franklin Student Assistance Center, and then submitted to the Office of the Dean for evaluation and final approval. (Note: The established 23 unit college preparatory requirement for NMMI high school cadets will not be preempted by these special graduation plans.) The progress of any cadet in the special program will be carefully monitored by the cadet's academic advisor.

## 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) or the Scholastic Aptitude Test (SAT). The ACT is preferred. In some cases, a candidate with an acceptable score on the General Education Development (GED) examination may be accepted. Since the ACT or SAT is required of all entering students in the junior college, students who do not have 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.

Those cadets seeking a commission should also refer to the section for admissions requirements into the Contract Senior ROTC Program leading to the US Army Reserve Commission.

Foreign students whose primary language is not English must have a score of 450 or better in the Test of English as a Foreign Language (TOEFL) or 55 or better on the Secondary English Program (SLEP) for admission, and may substitute these tests for the ACT.

## PROCEDURES FOR APPLICATION FOR ADMISSION

Cadets must be physically and mentally sound and meet the academic requirements for admission in order to participate fully in the Institute's programs. (Chronic or acute disabilities existing before or after matriculation are causes for dismissal.)

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.

The family physician must fill out the medical forms and return them to the Admissions Office.

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 the Spring re-enrollment application deadline. If the request for readmission is not granted the \$50.00 will be returned to you.

## **FINANCIAL ASSISTANCE**

The New Mexico Military Institute provides 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 financial need. Cadets or prospective cadets with a genuine financial need may secure information by contacting the Financial Aid Officer, New Mexico Military Institute. These programs are limited to college cadets. The second area of assistance involves institutional scholarships 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 and the State of New Mexico are limited, by law, to college students. The programs are available to those students who provide evidence of need for this assistance in order to attend college, so a family need analysis is part of the application process. Approximately 23% of the college cadets at New Mexico Military Institute receive assistance from these programs. The application deadline is May 1 with assistance awarded after that date depending upon availability of funds. The assistance programs open to NMMI cadets include:

1. Pell Grant. At New Mexico Military Institute students applying for assistance from any of the Federal programs must apply first for the Pell Grant. The amount of the grant may range from \$50 to \$2300.
2. Supplemental Educational Opportunity Grants. New Mexico Military Institute has a limited number of these grants available for students with exceptional need.
3. Perkins Loan. Students with exceptional need may receive loans up to \$2250 for each year of junior college. The loans carry an interest rate of 5%. Repayment begins nine months after the student ceases to be a student in any college or university, or after an authorized deferment.
4. Stafford Student Loan. Recipients must show financial need to qualify for a federally-subsidized Stafford. Students may borrow up to \$2625 annually at 8% 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 a 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.
5. Parents Loans for Undergraduate Students (PLUS). Parents may borrow up to \$4000 per year per undergraduate dependent child, not to exceed the cost of attendance minus any other financial assistance, with a cumulative maximum of \$20,000 per child. The interest rate on PLUS is 11.49% and repayment is required to begin within 60 days after disbursement. This program is governed by the Stafford Student Loan regulations.
6. New Mexico Stafford Student Loan Program. This program is governed under regulations of the Stafford Student Loan Program and is administered by the New Mexico Student Loan Guarantee Corporation. Loans are made up to \$2625 per year and are available to resident and non-resident students attending NMMI.

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

8. **New Mexico Work Study Program.** New Mexico residents are employed on campus during their free time. Students work on the average of six to ten hours weekly and are paid at current minimum wage.

9. **State Student Incentive Grant.** This program provides a limited number of grants of \$200 to \$4000. 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. Application booklets will be given to all cadets on campus during the fall term. Applications for prospective cadets are mailed out as requested. (Refer to ROTC Scholarship section in this catalog for information regarding US Army ROTC Scholarships.)

## LEGISLATOR'S SCHOLARSHIP PROGRAM

Beginning in 1990, the New Mexico Legislator's Scholarship Program provides one scholarship for each legislative district in New Mexico to a high school or college student who is a resident of that district. This award covers the cost of tuition and fees, and an amount to be applied toward room, board, and other expenses. During 1990 each of these scholarships is worth about \$2,215 of the total annual cost to attend NMMI.

Annually prospective and current cadets will be encouraged to apply to NMMI for these scholarships, with those selected to be notified in the spring. Renewal of the scholarship in later years requires satisfactory academic progress toward graduation and acceptable performance in the Corps of Cadets. The scholarship amount would remain the same each year of attendance, but the continuing scholar's cost would be less after the first year because many of the first-year uniform items would not need replacement. Prospective students are nominated by the state senator or representative of the district in which the students reside, but are actually selected by a committee chaired by NMMI's Academic Dean. Information on these prestigious scholarships may be obtained from the Office of Admissions.



## **ACADEMIC AFFAIRS**

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 Health, Physical Education and Recreation; Humanities, including art, English, foreign languages, and music; Military Science; Natural Sciences and Mathematics, including biology, chemistry, geology, physics, and mathematics; Social Sciences and Business Administration; and Student Assistance. A Military Science Division offers senior (college) ROTC programs operated by active duty and noncommissioned officers of the Department of the Army.

Courses are offered leading to the high school diploma and the associate in arts degree. 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 Academic Dean, aided by the Assistant Dean/High School Principal, has final authority in academic matters pertaining to high school and college cadets.

### **ACADEMIC DEAN**

Division of Health, Physical Education and Recreation

Division of Humanities

Division of Military Science

Division of Natural Sciences and Mathematics

Division of Social Sciences and Business Administration

Division of Student Assistance

Library and Media Support

Registrar's Office

## **RELEASE OF TRANSCRIPTS**

The registrar will prepare an official transcript for use outside NMMI only if the affected cadet signs a request which authorizes the release (Family Educational Rights and Privacy Act). The transcript release presupposes that any financial obligations to the Institute have been paid and that there are no tours outstanding against the cadet.

## **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 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. Credits shall be transferable with no loss of value between schools that are approved by the Board of Education in the state where the academic course was taken. 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. Transfer grades are not, however, used to compute cumulative grade point averages.

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

## **GRADUATION REQUIREMENTS**

High School Diploma: Twenty-three 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 approval of the Academic Dean. 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 approval of the Academic Dean.

**Communication Skills/Foreign Language.** Two and one-half units to include 2 units in one foreign language and 1/2 unit in communication skills. Speech, Mass Media, or similar courses meet this 1/2 unit requirement, but do not substitute for the English requirements.

**English 1, 2, 3, and 4.** Successfully completing a semester course generates 1/2 unit. Four units are required. Mass communication or similar English courses do not meet the English requirements.

**Modern Language.** Successfully completing one semester generates 1/2 unit. Two units of one modern language are required.

**Mathematics.** Successfully completing a semester course generates 1/2 unit. Three units are required; these are MTH 021-022, Algebra I, MTH 033-034, Algebra II, and any two semesters of the following: MTH 037-038, Geometry, MTH 042, Trigonometry, or MTH 043-044, Geometry/Trigonometry/Algebra III.

**Science.** Successfully completing a semester course generates 1/2 unit. Two full units of laboratory science are required. These units may be biology, chemistry, physics, or earth science. Each of these units must comprise a full year of the science elected. General science or physical science is NOT a laboratory science.

**Social Science.** Successfully completing a semester course generates 1/2 unit. Three units are required. These include one unit of world history/geography; one unit of U.S. history/geography; 1/2 unit of economics; and 1/2 unit of government. 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 Education.** Each LET course generates 1/4 unit. One-half unit is required to meet the overall 23-unit graduation requirement. Enrollment in LET courses taught in the JROTC program is required in each semester of attendance at NMMI.

**Physical Education.** Completing one semester PHE activity generates 1/4 unit credit. One-half unit is required for graduation; however, a cadet must enroll in a physical education activity each semester of attendance.

Intramural participation is mandatory each semester, although 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 PHE course nor the same intramural activity can be taken twice.

**Computer Literacy.** One-half unit is required. The course Computer Concepts is recommended. Other computer science courses may be substituted for Computer Concepts with the approval of the Registrar.

**Fine/Practical Arts.** One-half unit of a fine or a practical art is required.

**Electives.** After the requirements listed above have been satisfied, elective courses may be taken to complete the 23-unit graduation requirement. Successful completion of one semester of band, PHE, LET, or chorus at New Mexico Military Institute generates 1/4 unit.

**Residence Requirements.** A Third Class new cadet must earn a minimum of four units credit at NMMI and spend two semesters in residence.

A maximum of one unit credit earned after leaving the Institute in good standing may be submitted to fulfill graduation requirements. The appropriate academic division head and the Academic Dean 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 Academic Dean. Private tutoring is not recognized as a source of credit.

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-half 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.

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

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

The requirements for the Associate in Arts degree are:

**Residency.** A college cadet must earn a minimum of 24 credit hours at NMMI and spend two semesters in residence.

**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 completing half a full year's (sequence) courses. Credit may be transferred from other accredited schools if the courses are acceptable and if the grades are "C" or better. Courses transferred from other schools do not affect a grade point average at NMMI.

**Required Subjects:** The core curriculum or required courses is:

**English.** Six semester hours. English 101, plus three hours from either literature (ENG 211-212, Western World Literature I, II; ENG 221-222, English Literature I, II; ENG 235-236, American Literature I, II) or writing (ENG 102; 103; 218, Technical Writing; or BUS 204, Business Writing.)

**History.** Six semester hours of either HIS 101-102, Western Civilization, or HIS 211-212, History of the United States.

**Humanities or Modern Language.** Six to eight semester hours (if a language is chosen, a full year of a single language is required). Non-language courses which satisfy this requirement are so labeled in the Course Description section. NOTE: In addition to the 68 hours, non-contract cadets must also take three hours of either COM 224, Persuasive Speaking, or PHL 202, Logic.

**Laboratory Science.** Eight semester hours: a full year of a single laboratory science.

**Mathematics.** MTH 111, Intermediate Algebra, or higher.

**Social Science.** Three hours from designated, non-history social science courses. (See Course Descriptions; courses meeting the Social Sciences requirement are so labeled.)

**Physical Education.** One hour of PE activity courses for at least two semesters to accumulate two semester credit hours. A PE course may not be taken twice, but a maximum of 4 credit hours of activity PE may be used to fulfill degree requirements. (PHE 234, 3 credit hours, and PHE 237, 3 credit hours, each satisfy one activity credit.)

**Military Science.** Six to twelve semester hours. HIS 110 (American Military History) satisfies neither Military Science nor Social Science credit. However, ROTC contract cadets must have taken this course by the date of the acquisition of their bachelor's degree.

**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. The minimum cumulative GPA for the associate degree is 2.0.

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 may be transferred to NMMI to meet graduation requirements after leaving the Institute in good standing. Equivalent Institute courses must be identified and a grade of "C" or better is required. Transferred courses do not affect the NMMI grade point average.

## COLLEGE CORRESPONDENCE COURSES

While enrolled at NMMI, a college cadet may earn as many as 6 semester hours of credit toward the A.A. degree by correspondence from accredited colleges and universities. Such courses will be identified on the NMMI transcript as having been taken by correspondence.

Tests for such courses will be administered in the Student Assistance Center by someone other than the cadet's academic advisor, and a member of the academic department under which the course would normally be taught should inspect the tests for each course once for course content familiarity prior to each test's first administration. College cadets must earn a grade of A or B for the course to count toward the A.A. degree.

In general, a correspondence course should not be used to satisfy core requirements. Exceptions could include class schedule conflicts or the non-availability of an NMMI course. All requests for college credit by correspondence will require the Academic Dean's approval on the SAC Multi-Action Form.

## COLLEGE AREAS OF CONCENTRATION

The core curriculum requirements generate essentially a liberal arts associate degree, but by careful selection of elective courses, a cadet can build a course sequence which parallels those in other institutions which lead to the bachelor's degree. Cadets' academic advisors will counsel their advisees on other institutions' requirements for undergraduate degrees and suggest NMMI courses which parallel those sequences. Institute brochures are available from the Student Assistance Center for several preprofessional sequences such as medicine and engineering. Except at four-year institutions which do not sponsor ROTC programs, virtually all NMMI credit producing courses will count towards the 128-140 semester hour graduation total which most colleges require for the bachelor's degree. However, as is increasingly becoming common, many bachelor's degrees require 10 semesters to complete.

## CLASS DROP-ADD PROCEDURES

Cadets may add classes through the first two 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 Academic Dean's office before it is sent to the Registrar's office.

The last day for college students to drop a class is eight class days after the end of the mid-term examination week.

## GRADING POLICIES

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

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

Grade 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. However, credit hours may not be awarded twice for the same course.

## **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 appear in military uniform with approved appearance standards.

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	3.25 - 3.49

## **NORMAL CLASS LOADS**

The academic load for a high school level cadet is five academic classes plus leadership training and physical education. Exceptions to this rule may be made by the Academic Dean upon written request of the cadet's parents.

The normal academic load for college cadets is 17 semester credit hours. The minimum load is 12 semester credit hours to include military science. Exceptions to this rule may be made only by the Academic Dean.

## **OVERLOADS**

Cadets with a 3.0 GPA or above from the previous grading period may take more than 19 credit hours (college) or a sixth solid (high school) upon the recommendation of their academic advisor. The Assistant Dean and High School Principal must authorize more than six solids for high school cadets. For college cadets, the advisors may authorize a course load of up to 19 hours, and the Director of SAC may authorize a course load of 20-21 hours. Only the Academic Dean may authorize a course load of 22 or more hours for college cadets. Overloads are not recommended for cadets with a GPA of less than 3.0 from the previous semester grading period, but upon the cadet's request and with the recommendation of the academic advisor, an overload may be authorized if the cadet's schedule (academic, athletic, extra-curricular) suggests that there is reasonable probability that the cadet can successfully handle the overload.

## ACADEMIC SUSPENSION, WITHDRAWAL AND DISMISSAL POLICIES

While in attendance at NMMI a grade point average of 2.00 is required of all students in order to maintain "good academic standing". Any NMMI student whose GPA falls below 1.50 at the end of a semester is placed on Academic Probation. The student then has one more semester in which to attain a GPA of 1.50 or better. Failing to do so, the student's overall record will be reviewed by the Academic Review Board and academic suspension may result. An entering new student whose GPA for the previous semester or whose cumulative GPA for all secondary schooling does not meet the normal admissions criterion of 2.00 may be admitted conditionally. Such a student must attain a GPA of 1.50 in the first semester at NMMI. Failing to do so, the student's overall record will be reviewed by the Academic Review Board and academic suspension may result.

Suspended cadets can be readmitted to the Institute, however dismissed cadets cannot.

A cadet who has been placed on academic suspension may be permitted to re-enroll at NMMI after a break of at least one semester. The application for readmission must include evidence that the student's academic record has improved to the extent that academic success at NMMI is highly probable.

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

A cadet whose name has been published in the Daily Status Report under the category of Dismissed, Suspended, Withdrawn or Drop From Rolls is not permitted to take final examinations nor participate in any further academic assignments. Cadets who have been suspended must regain "good standing" within the academic division (college or high school) from which they departed before they may be permitted to participate in challenge examinations and/or be awarded a diploma or degree. A cadet regains "good standing" after the application for re-enrollment has been approved by the Admissions Committee and the cadet attends academic classes.

Cadets who complete all course requirements, including final exams, will receive letter grades on their transcripts for all courses so completed. However, if a cadet completes all work toward a high school diploma or associate degree but is dismissed or suspended just prior to graduation for disciplinary reasons, then that cadet will not receive the diploma nor degree nor take part in graduation but the transcript will indicate the credit for courses completed, the fact that a diploma or degree was not awarded, and the fact that the cadet was dismissed or suspended for disciplinary reasons prior to commencement.



## **THE FRANKLIN STUDENT ASSISTANCE CENTER**

The Franklin Student Assistance Center, located in the J. Penrod Toles Learning Center is equipped with a wide variety of tutorial and self paced learning aids. Additionally, special study programs are taught under SAC's direction for cadets on academic probation. The Student Assistance Center houses several computer terminals for cadet use as well as a computerized Guidance Information System (GIS) from which can be obtained a computer printout concerning programs. Professional counselors are available to provide career and continuing education guidance as well as personal counseling. While the Center makes every attempt to help students, it is not equipped or staffed to handle diagnosed "learning disabled" students.

The Student Assistance Center is open throughout the academic day as well as evening during Night Study Hall (NSH).

## **ACADEMIC ADVISEMENT AND COUNSELING**

New Mexico Military Institute has a centralized advising system which is located in the Franklin Student Assistance Center. A system of developmental advising is implemented whereby the advisor assists the student, through a series of advising sessions, through the stages in the development of his or her values and goals, both personal and educational. Each student is assigned a faculty advisor in the Student Assistance Center upon enrollment at New Mexico Military Institute. The academic advisor:

Is a mentor and a student advocate, establishing a rapport with and a caring attitude toward the student, and providing support for the student as he/she learns to deal with the obligations in academics and the Corps of Cadets, as well as the pressures of being away from home,

Acts as resource person, providing information on a myriad of topics, such as course requirements, learning resources, job markets, and selection of colleges after NMMI,

Is a liaison spokesman between the parents and the teaching faculty, helping to maintain good rapport with both parents and faculty,

Assists in the preparation of cadet's academic course schedule, and structures a course of studies which leads to a cadet's career goals,

Recommends tutorial and counseling referrals to appropriate instructors or specialized counseling,

Provides the academic approval/disapproval for course overload requests and course addition or drops. Each cadet must see his/her advisor in the Student Assistance Center at least once a month.

Specialists in personal counseling and academic guidance and counseling, and education evaluation and diagnosis are available to all cadets. The specialists provide cadets with vocational and educational information and administer and interpret aptitude, achievement and interest tests as well as tests of personal problems and concerns. The New Mexico Military Institute serves as a regional testing center for the College Entrance Examination Board Admissions Testing Program (ATP) and the American College Testing Program (ACT). It maintains these regularly updated materials for cadet use: general and specialized college guides and directories; computerized GIS; college catalogues, original or on micro-fiche; vocational/occupational information, including books, pamphlets, and video-cassette materials, and formal programs or group instruction; general specialized scholarship and financial aid guides and directories; college admission and recruiting materials; admission application materials for schools regularly attended by New Mexico Military Institute graduates; and specialized guidance materials for preparation for the several professions.

The Cadet Counseling Center is located in Hinkle Hall and is staffed under the auspices of the Commandant, by a Reality Therapist, a substance abuse counselor, and the chaplain(s). They specialize in personal and crisis counseling and handle referrals made by advisors and/or other staff and faculty.

## EX LIBRIS PROGRAM

The Ex Libris Development/Analytical Reading program for high school students is a special course which parallels such programs offered by major preparatory schools to promote high academic goals. It is of particular value to students aspiring to enter prestigious colleges or the military service academies. It builds upon skills the student already possesses to procure better reading rates and greater in-depth comprehensions. The course is a voluntary, credited, extra fee program. Grade: S or U for transcript, not included in GPA.

The Ex Libris ACT/SAT Review Program is for high school students in the junior or senior year who will be taking the Scholastic aptitude Test or the American College Test and feel motivated to enter a program designed to gain facility and practice in taking such tests. It covers verbal areas of synonyms, antonyms, analogies, vocabulary, syntax and grammar, as well as reading exercises in social studies and natural sciences. Problems in general mathematics, algebra, and geometry are reviewed. The program is of value to students who have taken these tests and who wish to improve their scores in future tests. The course is a voluntary, extra fee program, no credit. Grade: S or U, not included in GPA.

## 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 the Student Assistance Center on national test dates 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. Most colleges require not only a transcript of one's academic record but also ACT or SAT scores. The Student Assistance Center also administers other academic and placement tests such as the PSAT (Preliminary Scholastic Aptitude Test) required in the fall of the junior year, the SAT, and reading and math placement tests for new cadets.

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

## **COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) CREDIT BY CHALLENGE**

College credit is allowed for successfully completing the various CLEP tests. CLEP credit may be transferred to the Institute to meet graduation requirements, although the Institute does not use CLEP scores in computing a cadet's grade point average.

**CLEP Scores - English.** A score of 50% or higher on the CLEP Subject Matter Test in College Composition, plus an essay graded satisfactory by the New Mexico Military Institute Department of English, produces 3 credit hours in ENG 101. A score of 50% or higher on the CLEP Subject Matter Test in Freshman English, plus an essay graded as above, produces 3 credit hours in ENG 102.

**CLEP Scores - Social Science and Humanities.** A score of 50% or higher on the United States History Subject Matter CLEP Test produces 3 credit hours in HIS 211.

**CLEP Scores - Mathematics and Lab Sciences.** A score of 50% or higher on the College Algebra Subject Matter CLEP Test produces 3 credit hours in MTH 185. A score of 50% or higher on the Trigonometry Subject Matter CLEP Test produces 2 credit hours in MTH 186. No lab science credit is allowed through CLEP examinations.

**CLEP Scores - Foreign Languages.** A score 50% or higher on the Foreign Language Subject Matter CLEP Test produces 4 credit hours in Spanish, French, or German. Level 1 produces credit for SPN 111, FRN 112, or GRM 111. Level 2 produces credit for SPN 112, FRN 112, or GRM 112.

**Challenge Examinations -** With the Academic Dean's or High School Principal's approval, a cadet (high school or college) may challenge any course offered by the Institute, and if successfully challenged (usually by passing a test prepared by the academic department concerned), credit for the course will be shown on the transcript. Challenge actions are initiated by the cadet with the head of the appropriate academic department. A \$25.00 fee for the challenge examination may be required in accordance with current Board of Regents policies. Challenge examination results are reported on "Credit" or "No Credit" basis on the transcript. Challenge credits do not affect grade point averages. Neither challenge nor CLEP credits satisfy minimum load requirements to maintain cadet status. A challenge exam may not be attempted if the student has already received a grade for the attempted course, or during the last three weeks of a semester without special permission.

**Credit for College Courses Taken For High School Credit -** High school cadets who successfully complete college courses for high school credit will receive college credit for these courses. This credit carries a grade which affects the Grade Point Average on the college transcript.

## HONOR SOCIETIES

### **Superintendent's List**

To qualify for the Superintendent's List a cadet must earn a minimum GPA of 3.50 (both high school and college) and must be carrying a load of five 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 Superintendent's List in the semester in which the Incomplete is received, and grades and credits from developmental courses will not apply.

### **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 load of five solid subjects and the college cadet a minimum of 14 semester hours. Additionally, the cadet's department grade must be an "A". Cadets who takes grades of Incomplete are not eligible for the Dean's List in the semester in which the Incomplete is received, and grades and credits from developmental courses will not apply.

### **Commandant's List**

To qualify for the Commandant's List a cadet must earn and "A" in department and have a GPA of 2.75 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. National Honor Society selection requires a 3.4 or higher cumulative GPA.

### **Phi Theta Kappa (Junior College)**

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 3.25 cumulative GPA in non-remedial courses 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

#### **ENG 100A - Basic Writing.**

**Cr. 3 hrs\***

Designed for students who need practical experience in writing correct and effective sentences. Placement by examination.

#### **ENG 100B - Basic Writing.**

**Cr. 3 hrs\***

Designed for students who need practical experience in writing correct and effective paragraphs. Placement by examination.

\*Courses numbered 100A and 100B are remedial level courses and do not generate graduation credit hours. These courses may be used to meet residency and eligibility requirements, but may not be used to fulfill the 68-hour graduation requirement.

#### **ENG 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. Prerequisite for all 200-level English courses.

#### **ENG 102 - Freshman English.**

**Cr. 3 hrs**

A continuation of ENG 101. Introduces poetry, short story, drama, and novel. Requires critical papers about the literature. May apply toward the English graduation requirement.

#### **ENG 103 - Writing Workshop.**

**Cr. 3 hrs**

An intensive study of grammar and usage, spelling, vocabulary, and composition. Restricted enrollment. Augments ENG 101. Can fulfill part of English requirement for graduation, but cannot replace ENG 101.

#### **ENG 199 - Special Studies in English.**

**Cr. 1-3 hrs**

Prerequisite: Permission of instructor.

#### **ENG 211 - Western World Literature I. (Satisfies Humanities Requirement)**

**Cr. 3 hrs**

Offers reading in the major literature of the Western world from Greco-Roman times to the Renaissance. The readings will reflect intellectual, cultural, historical, and literary changes.

#### **ENG 212 - Western World Literature II. (Satisfies Humanities Requirement)**

**Cr. 3 hrs**

Continues readings of the major literature of the West that reflect social and literary developments from the Neo-classical period to the Twentieth Century.

**ENG 218 - Technical Writing. Cr. 3 hrs**

Theory and practice of writing in technical fields. Emphasizes efficient writing processes and effective written products, including correspondence, resumes, and reports. Students successfully completing this course may not enroll in BUS 204. Prerequisite: ENG 101. May apply toward the English graduation requirement.

**ENG 221 - English Literature I. Cr. 3 hrs**  
(Satisfies Humanities Requirement)

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, Johnson, Milton, Dryden, Swift, Pope, Johnson.

**ENG 222 - English Literature II. Cr. 3 hrs**  
(Satisfies Humanities Requirement)

A continuation of ENG 221 with the following main authors studied: Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Yeats, Eliot.

**ENG 231 - Introduction to Drama. Cr. 3 hrs**  
(Satisfies Humanities Requirement)

Treats drama as literature: selected readings from the ancient Greeks to the present.

**ENG 232 - Short Story. Cr. 3 hrs**  
(Satisfies Humanities Requirement)

A study of the origins and development of the short story from early through modern to contemporary with special attention to the elements of fiction within historical and cultural contexts.

**ENG 235 - American Literature I. Cr. 3 hrs**  
(Satisfies Humanities Requirement)

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.

**ENG 236 - American Literature II. Cr. 3 hrs**  
(Satisfies Humanities Requirement)

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

**ENG 299 - Special Studies in English. Cr. 3 hrs**

Prerequisite: Permission of instructor.

**RDG 100A - Reading/Study Skills.****Cr. 3 hrs\***

Required of students whose ACT scores and reading scores are not acceptable. Meets three hours per week – additional lab time is required. The instructor makes an individual diagnosis on each student enrolled and prescribes a program of study for each. Letter grades are given and are included in GPA. Transcript credit only; does not count toward degree.

**RDG 100B - Study Skills.****Cr. 1 hrs\***

Required of students whose ACT scores and reading scores are not acceptable. Meets three hours per week. A course for students who need to improve their study management, mechanics of doing research, test taking, remembering what has been read, etc. Letter grades are given and are included in GPA. Transcript credit only; does not count toward degree.

\*Courses numbered 100A and 100B are remedial level courses and do not generate graduation credit hours. These courses may be used to meet residency and eligibility requirements, but may not be used to fulfill the 68-hour graduation requirement.

**COM 123 - Public Speaking.****Cr. 3 hrs****(Satisfies Humanities Requirement)**

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

**COM 124 - Group Discussion.****Cr. 3 hrs****(Satisfies Humanities Requirement)**

Study and practice in the dynamics of group oral communication. Prerequisite: Permission of instructor.

**COM 198 - Television Production Internship.****Cr. 1 hr**

Provides both theoretical knowledge and hands-on experience in the process of television production. May be repeated up to a total of three (3) semester hours. Prerequisite: Permission of instructor.

**COM 199 - Practicum in Yearbook Production.****Cr. 1 hr**

A workshop devoted to producing the school annual, The Bronco. Students must enroll in the first semester to be eligible for the second. Concurrent enrollment in AR 120 suggested. This course may be repeated up to four times.

**COM 224 - Persuasive Speaking.****Cr. 3 hrs**

Theory of and practice in persuasive speaking based on a study of logical processes and critical thinking. Along with PHL 202, Logic, a graduation requirement option for all cadets who do not contract in and complete the US Army ROTC Advanced Course; such a cadet must take **either** COM 224 or PHL 202.

## MODERN LANGUAGES

### Registration Instructions:

Students with fewer 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 period of language laboratory each week. A lab fee is required.

**FRN 111-112 - Elementary French.** **Cr. 4-4 hrs**  
**(Satisfies Humanities Requirement)**

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

**FRN 211-212 - Intermediate French.** **Cr. 3-3 hrs**  
**(Satisfies Humanities Requirement)**

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

**GER 111-112 - Elementary German.** **Cr. 4-4 hrs**  
**(Satisfies Humanities Requirement)**

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.

**GER 211-212 - Intermediate German.** **Cr. 3-3 hrs**  
**(Satisfies Humanities Requirement)**

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

**RUS 111-112 Beginning Russian.** **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 Requirement. See Core Curriculum.

**SPN 111-112 - Elementary Spanish.** **Cr. 4-4 hrs**  
**(satisfies Humanities Requirement)**

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.



**SPN 211-212 - Intermediate Spanish.** **Cr. 3-3 hrs**  
**(Satisfies Humanities Requirement)**

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

**FRN/GER/RUS/SPN 199 - Special Problems in Foreign Language.** **Cr. 1-3 hrs**

Prerequisite: Permission of instructor.

## FINE ARTS

### Art

**ART 102 - Painting.** **Cr. 3 hrs**

An introduction to oil painting. Emphasis on color theory and mixing, developing technique, and control of media. No prerequisite. (Material cost: approximately \$35.00) Offered in Fall semester.

**ART 103 - Painting.** **Cr. 3 hrs**

Continuation of ART 102, offered in Spring semester.

**ART 111 - Drawing.** **Cr. 3 hrs**

Basic approaches to drawing. Emphasis on learning to see natural and man-made objects in contour, gesture, direction, proportion, shading. No prerequisite. Offered in Fall semester.

**ART 112 - Drawing.** **Cr. 3 hrs**

Continuation of ART 111, offered in Spring semester.

**ART 120 - Basic Design.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

Introduction to elements and principles of two-dimensional design. Requires completion of projects for individual portfolios. No prerequisite. Offered each semester. (Material cost: approximately \$35.00)

**ART 121 - Basic Design.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

Introduction to three-dimensional design. Requires designing and constructing individual projects. Prerequisite: ART 120, or permission of the instructor. Offered in spring semester.

**ART 131 - Art History.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

Survey of painting, sculpture, architecture from Paleolithic to Renaissance. Research paper required. No prerequisite required. Offered in Fall semester.

**ART 132 - Art History.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

Survey of painting, sculpture, architecture from Renaissance to Modern. Research paper required. No prerequisite required. Offered each semester. (Material cost: approximately \$35.00)

## Music

NOTE: As many as eight (8) semester credit hours maximum transferred in or earned at NMMI for ensemble courses (band, choir, etc.) may be applied toward A.A. degree requirements.

**MUS 101-102 Band.** **Cr. 1 hr**  
**MUS 201-202 - Band.** **Cr. 1 hr**

Designed to provide a marching and concert band performance experience. The marching band aspect begins in August and continues until the football season is completed. Emphasis on performance in a concert setting begins in November and continues through the remainder of the academic year. Admission is gained through audition or invitation of the Director of Music.

**MUS 103-104 - Stage Band.** **Cr. 1 hr**  
**MUS 203-204 - Stage Band.** **Cr. 1 hr**

Open to all qualified students who are interested in jazz, popular, and "big band" music. Admission is gained by audition or invitation of the Director of Music.

**MUS 105-106 - Choir.** **Cr. 1 hr**  
**MUS 205-206 - Choir.** **Cr. 1 hr**

Open to all students who are interested in singing and performing vocal music of numerous periods and styles.

**MUS 107-108 - Chapel Choir.** **Cr. 1 hr**  
**MUS 207-208 - Chapel Choir.** **Cr. 1 hr**

Open to all students who are interested in singing and performing sacred music.

**MUS 111-211 - Applied Music Lessons.** **Cr. 1 hr**

Provides private music instruction on piano, voice, and band instruments. It includes one-half hour lesson per week. Prerequisite: Permission of instructor.

**MUS 115 - Small Ensemble.** **Cr. 1 hr**

Provides a small ensemble performance experience as well as an expansion of instrumental and vocal techniques. Prerequisite: Permission of instructor.

**MUS 120 - Fundamentals of Music Theory.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

A study of music fundamentals, including notation, rhythm, scales, intervals, and basic chord structure. Open to all students. No previous training in music is necessary.

**MUS 130 - Music Appreciation.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

A basic nontechnical course in music listening and a survey of music literature from the Renaissance period to the present. Open to all students. No previous training in music is necessary.

**MUS 199 - Independent Study in Music.** **Cr. 1-3 hrs**

Prerequisite: Permission of instructor.

## **DIVISION OF NATURAL SCIENCES AND MATHEMATICS**

### **Biology**

**BIO 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 micro-organisms, plants, and animals are stressed. Lab fee is required.

**BIO 199 - Special Problems in Biology.** **Cr. 1-3 hrs**

Prerequisite: permission of instructor.

**BIO 201 - 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.

**BIO 202 - The Plant Kingdom.** **Cr. 4 hrs (3-3L)**

Studies the major groups of invertebrate and vertebrate animals with an emphasis on their classification, phylogeny and characteristics. This course is recommended for careers in biology and related fields. Prerequisites: completion of BIO 101-102 or permission if instructor. Lab fee required.

**BIO 211 - Animal Kingdom.** **Cr. 4 hrs (3-3L)**

Studies the major groups of invertebrate and vertebrate animals with an emphasis on their classification, phylogeny and characteristics. This course is recommended for careers in biology and related fields. Prerequisites: completion of BIO 101-102 or permission of instructor. Lab fee required.

**BIO 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. Prerequisite: one year in biology, on either college or high school level. Lab fee required.

**BIO 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. Prerequisite: one year of biology either on college or high school level. Lab fee required.

**BIO 216 - Human Anatomy and Physiology. Cr. 4 hrs (3-2L)**

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

**BIO 221 - Microbiology. Cr. 4 hrs (2-4L)**

An introductory study of the physiology, morphology and activities of micro-organisms. Labs will involve practice in the techniques of isolation, purification and identification of micro-organisms. Lab fee required.

**BIO 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. Lab fee required.

**BIO 241 - Genetics. Cr. 3 hrs (3-0L)**

Introduces the structure, function and transmission of hereditary factors. Prerequisites: Completion of BIO 101 and BIO 102 or permission of the instructor.

## Physics

**PHY 111-112 - General 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.

**PHY 199 - Special Problems in Physics. Cr. 1-3 hrs**

Prerequisite: Permission of instructor.

**PHY 213-214 - Engineering Physics. Cr. 5-5 hrs (5-2L)**

Fundamental for engineers, science students, and pre-meds. First semester: mechanics, waves, thermodynamics. Second semester: electricity, optics, modern physics. Extensive problem solving. Lab fee required. Prerequisite: calculus, MTH 195-196.

**PHY 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.

## Chemistry

### **CHM 111-112 - General Chemistry.** **Cr. 4-4 hrs (3-3L)**

An introduction to the fundamental principle of theoretical and descriptive chemistry. Introduction to organic chemistry in the second semester. Corequisite: MTH 111 or equivalent experience. Lab fee required.

### **CHM 113-114 - College Chemistry.** **Cr. 5-5 hrs (3-3L-2R)**

A two semester sequence which covers the basic principles of chemistry with emphasis on the theory and application analytical, inorganic and physical chemistry. It is composed of three lecture, one laboratory (3 hrs) and one recitation and problem session (2 hrs) per week. Lab fee required. Corequisite: MTH 185 or equivalent experience.

### **CHM 199 - Special Problems in Chemistry.** **Cr. 1-3 hrs**

Prerequisite: permission of instructor.

### **CHM 211 - Basic Organic Chemistry.** **Cr. 4 hrs (3-3L)**

A one-semester survey for students. A brief coverage of the important classes of organic compounds. Prerequisite: CHM 112 or 114. Lab fee required.

### **CHM 213-214 - Organic Chemistry.** **Cr. 5-5 hrs (3-6L)**

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

## Geology

### **ESC 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.

### **ESC 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 the use of fossils and physical evidence. Fields trips to points significant in earth history. Prerequisite: ESC 111. Lab fee required.

### **ESC 199 - Special Problems in Geology.** **Cr. 1-3 hrs**

Prerequisite: permission of instructor.

## Mathematics

### MTH 100B - Elementary Algebra.

Cr. 3 hrs\*

This remedial course covers topics usually contained in a first course of algebra. In addition, basic computational skills are reviewed with a view toward showing the transition to the concept of an unknown or variable. A review of geometry is achieved by using algebraic methods. It is designed for students with little or no background in algebra and prepares students for Intermediate algebra.

\*Courses numbered 100 are remedial level courses and do not generate graduation credit hours. These courses may be used to meet residency and eligibility requirements, but may not be used to fulfill the 68-hour graduation requirement.

### MTH 111 - Intermediate Algebra.

Cr. 3 hrs

Studies topics in exponents, radicals, factoring, linear and quadratic equations and inequalities, polynomials, systems of linear equations and problem solving.

### MTH 125 - Introduction to Contemporary Mathematics.

Cr. 3 hrs

Includes topics with modern applications such as networks and circuits, scheduling, linear programming, probability and statistics, voting methods, game theory, apportionment, patterns and tilings, fractals, growth, measurement and computers.

### MTH 137 - Mathematics for Business and Social Science.

Cr. 3 hrs

Studies finite math topics used in business, biology, and social science including systems of linear equations, matrices, linear programming, counting techniques, probability, and math of finance. Prerequisite: MTH 111 or equivalent.

### MTH 138 - Calculus for Business and Social Science.

Cr. 3 hrs

Introduces differential and integral calculus with application to business, economics, the behavioral and life sciences. Prerequisite: MTH 111 or equivalent.

### MTH 185 - College Algebra.

Cr. 3 hrs

An intensive course in algebra designed for students planning to take calculus. Topics include functions, graphs, polynomials, rational, exponential, and logarithmic functions, conic sections, solutions of linear systems, theory of equations, inequalities. Emphasizes concepts and techniques needed for the effective study of calculus. Prerequisite: MTH 111 or equivalent experience.

### MTH 186 - Trigonometry.

Cr. 2 hrs

Covers trigonometric functions, trigonometric identities and equations, radian measures, inverse trigonometric functions, complex numbers, vectors, and applications. Students should enroll concurrently in college algebra (MTH 185).

### MTH 195 - Calculus I.

Cr. 4 hrs

The first semester of a three-semester sequence designed for students majoring in engineering, mathematics, computer science, the physical sciences. Topics covered include limits, the derivative, trigonometric functions, applications, curve sketching, the definite integral, applications of the definite integral. Prerequisite: a minimum grade of "C" in MTH 185-186 or equivalent experience.

**MTH 196 - Calculus II.****Cr. 4 hrs**

Covers further applications of integration, logarithmic, and exponential functions, inverse trigonometric functions, hyperbolic functions, techniques of integration, infinite series, power and Taylor series, indeterminate forms, numerical methods. Prerequisite: a minimum grade of "C" in MTH 195.

**MTH 199 - Special Problems in Mathematics.****Cr. 1-3 hrs**

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

**MTH 241 - Introduction to Statistics.****Cr. 3 hrs**

Introduces beginning topics in statistics, including random samples, organizing data, measures of central tendency and dispersion, probability theory, binomial and normal distributions, estimation, hypothesis testing, regression and correlation.

**MTH 295 - Multi-variable Calculus.****Cr. 4 hrs**

Covers geometry in the plane and in space, conic sections, polar coordinates, parametric equations, vectors, functions of several variables, partial differentiation with applications, multiple integration with applications, vector calculus, introduction to differential equations. Prerequisite: a minimum grade of "C" in MTH 196.

**MEN 145 - Engineering Graphics.****Cr. 3 hrs**

Introduces engineering graphical methods and disciplines with emphasis on basic principles and applications. Topics include technical drawing and design, orthographic projection, axonometric drawing, and descriptive geometry. Lab fee required. Does not meet math for graduation.

**CSI 151 - BASIC Programming.****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. The normal topics are covered in addition to random numbers, single and double subscripted arrays, user defined functions, and an introduction to sequential and random access files. Emphasis is given to structured and documented programs using an editor. The computer used is the VAX 8530 minicomputer with remote terminals. Lab fee required. Prerequisite: MTH 111 or equivalent.

**CSI 161 - FORTRAN.****Cr. 3 hrs**

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: CSI 151 or consent of instructor. Lab fee required.

**CSI 171 PASCAL.****Cr. 3 hrs**

Covers the high level programming language PASCAL. Emphasis is placed on logically structured, well-documented computer programs using algorithms and data structures. Lab fee require. Prerequisite: CSI 151.

**CSI 199 - Special Problems.****Cr. 1-3 hrs**

Prerequisite: permission of instructor.

**CSI 251 - Advanced BASIC Programming.****Cr. 3 hrs**

Extends programming concepts learned in a first BASIC programming course. Emphasis is placed on style, documentation and structured methods. Topics covered include manipulations, file access techniques, file structures, sorting and searching techniques, descriptor tables, hashed files. Lab fee required. Prerequisite: CSI 151.

## **DIVISION OF SOCIAL SCIENCE AND BUSINESS ADMINISTRATION**

**History****HIS 101-102 - Development of Western Civilization.****Cr. 3-3 hrs**

A study of the social, economic, political, philosophical, and aesthetic development of humans from antiquity to the end of the Medieval period. Second semester studies human history from 1500 AD to modern times. This course sequence attempts to have students understand the parallels between past and contemporary history to better comprehend the political and social realities of the contemporary world situation. Can satisfy the 6-hour history graduation requirements.

**HIS 110 - American Military History.****Cr. 2 hrs**

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. This course may be taken in place of one of the follow: MIL 111, MIL 112, MIL 221, or MIL 222.

**HIS 170 - East Asian Civilization.****Cr. 3 hrs**

A China-oriented survey of non-"Western" culture, this course first outlines the great tradition, its development, the impact of the West, the twentieth-century development, and the beginning of the radical changes since World War II. The course considers the influence of China on Japan and the separate development of that nation. There will be a brief consideration of Korean history.

**HIS 171 - Modern Southeast Asia.****Cr. 3 hrs**

The course considers first the diverse cultural influences on the region using Singapore as the prime example. The histories of colonial Southeast Asia and of Siam are then considered in the context of rising nationalism; finally, the history of the several independent nations are studied, with special consideration of intra-regional institutions. Prerequisite: HIS 170 and/or permission of the instructor.



**HIS 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. Can satisfy the 6-hour history graduation requirement.

**HIS 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.

**HIS 280 - Latin America: An Historical Survey.****Cr. 3 hrs**

Examines the political, economic, social, and cultural development of Latin American from its Indian origins to the present. Special attention is given to the twentieth century interaction of the region with the United States and the rest of the world.

**Political Science****GVT 111 - United States Government.****(Satisfies Social Science Requirement)****Cr. 3 hrs**

An analysis of the national constitution, political process, presidency, congress, judiciary, and formation of foreign policy.

**GVT 214 - Comparative Politics and Government.****(Satisfies Social Science Requirement)****Cr. 3 hrs**

An overview of the spectrum of world politics and government. Concepts emphasized include democracy (conservative capitalism and democratic liberalism), socialism, communism, and fascism.

**GVT 220 - State and Local Politics and Government.****(Satisfies Social Science Requirement)****Cr. 3 hrs**

A study of the process of conflict resolution at the state and local level. Emphasis is on the changes brought about by urbanization, suburbanization, the growth of the sunbelt, and changes accompanying the legislative reapportionment of the recent past. The abstract principles of political science are applied to the real world of politics and government in New Mexico.

**Psychology****PSY 101 - General Psychology.****(Satisfies Social Science Requirement)****Cr. 3 hrs**

Studies the physiological, biological, and psychological factors which influence human behavior. Students are introduced to classic theorists and theories which attempt to explain human behavior and personality development. Human emotions, motivation, stress, anxiety, neurotic, and psychotic behavior are studied in this course. Emphasis in this course is on effective life adjustment in a complex, paradoxical social environment.

**PSY 211 - The Psychology of Adjustment.** **Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

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

**PSY 199 - Special Problems in Psychology.** **Cr. 3 hrs**

Prerequisite: permission of instructor.

## **Sociology**

**SOC 101 - Introduction to Sociology.** **Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

A study of the nature and structure of human societies. Stresses sociological methodology, terminology, key concepts, such as culture, socialization, social stratification, collective behavior and social institutions. Designed to give the student a sociological understanding of contemporary American society in a rapidly changing world.

**SOC 201 - Contemporary Marriage and Family.** **Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

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: SOC 101 or permission of instructor.

**SOC 299 - Special Studies in Sociology.** **Cr. 1-3 hrs**

Prerequisite: permission of instructor.

## **Philosophy**

**PHL 111 - Introduction to Philosophy.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

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 theories of formal analysis. Satisfies humanities requirement.

**PHL 120 - World Religions.** **Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

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.

**PHL 201 Ethics. Cr. 3-3 hrs**  
**(Satisfies Humanities Requirement)**

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.

**PHL 202 Logic. Cr. 3 hrs**  
**(Satisfies Humanities Requirement)**

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.

**PHL 299 - Special Studies in Philosophy. Cr. 1-3 hrs**

Prerequisite: permission of instructor.

## **Geography**

**GEO 102 - Economic Geography. Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

A study of the patterns of distribution, production, and consumption of the world's goods, with emphasis on both geographic location of agricultural, industrial, and extractive production and interregional relationships. Field trip. Recommended for business majors.

**GEO 250 - Geography of South America. Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

Regional study of the physical, cultural, and economic geography of South America.

## **Anthropology**

**ANT 101 - Introduction to Cultural Anthropology. Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

The origin and development of culture, with emphasis on the study of economics, kinship, politics, religion, and folklore.

## **Aviation Science**

**AVN 101- Pilot Ground and Flight Instruction. Cr. 3 hrs**

A study of aviation subjects, and flight instruction designed to prepare the student for the Federal Aviation Administration's (FAA) Private Pilot's Written Examination and Flight Test. Prerequisites: Student must be at least 17 years of age at course completion, and hold a Class III Medical Certificate and Student's Pilot License. Does not apply toward the A.A. degree. Special Fee Required.

## Law Enforcement

**LEN 101 - Introduction to Law Enforcement.** **Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

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.

**LEN 102 - Administration of Justice.** **Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

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.

## Business Administration

**BUS 101 - Beginning Typing.** **Cr. 3 hrs**

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

**BUS 102 - Intermediate Typing.** **Cr. 3 hrs**

A continuation of BUS 101. Use of the word processor 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: BUS 101 or equivalent.

**BUS 111 - Introduction to Business.** **Cr. 3 hrs**

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.

**BUS 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.

**BUS 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.

**CSI 117 - Computer** **Cr. 3 hrs**

Studies development of data processing, machine languages; writing of simple programs. Microcomputer and mainframe terminals are extensively used for instruction of application techniques. Lab fee required.

**BUS 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.

**BUS 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.

**BUS 202 - Business Law.** **Cr. 3 hrs**

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

**BUS 204 - Business Writing.** **Cr. 3 hrs**

Theory and practice of business writing emphasizing style, structure, and format in letters, memoranda, resumes, and reports. Students successfully completing this course may not enroll in ENG 218. Prerequisite: ENG 101. This course can satisfy three of the six semester hour core English requirement.

**ECN 211 - Principles and Problems of Macro-Economics.** **Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

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.

**ECN 212 - Principles and Problems of Micro-Economics.** **Cr. 3 hrs**  
**(Satisfies Social Science Requirement)**

A continuation of ECN 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. Desirable prerequisite: ECN 211.

## **DIVISION OF STUDENT ASSISTANCE**

**RDG 111 - Ex Libris Developmental/Analytical Reading.** **Cr. 1 hr**

A course in reading improvement, including basic and advanced 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. Extra fee.

**RDG 199 - Ex Libris ACT/SAT Review.****Cr. 0 hr**

A course for students who will be taking the Scholastic Aptitude Test or the American College Test who feel motivated to enter a program designed to gain facility and practice in taking such testing processes. Covers verbal areas of synonyms, antonyms, analogies, vocabulary, syntax, and grammar as well as reading in social sciences and natural science. A complete series of problems in mathematics, including algebra and geometry. Grade: S or U for transcript, not included in GPA. Extra fee.

## **DIVISION OF HEALTH, PHYSICAL EDUCATION AND RECREATION**

**Physical Education Activity Courses.****Cr. 1 hr each**

Stresses individual sports with carry-over value for a lifetime.

<b>No.</b>	<b>Course</b>	<b>No.</b>	<b>Course</b>
101	Basic Fitness	150	Ballroom Dancing
102	Weight Training	151	Country Western Dancing
103	Jogging	189	Hydro-Aerobics
105	Beginning Golf		
106	Beginning Tennis	197	Modern Pentathlon
107	Beginning Swimming	198	Physical Fitness
112	Nautilus Training	202	Kayaking
117	Beginning Judo	205	Advanced Rescue
118	Beginning Karate	210	Backpacking
119	Cycling	211	Advanced Golf
121	Bowling	213	Advanced Tennis
122	Archery	217	Advanced Judo
		218	Advanced Karate

### **PROFESSIONAL PREPARATION OF PHYSICAL EDUCATION AND RECREATION OFFERINGS**

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

**PHE 229 - Fundamentals of Athletic Training.****Cr. 3 hrs**

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

**PHE 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.

**PHE 234 - Water Safety Instruction.****Cr. 3 hrs**

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 PE, plus two hours academic credit. All students must satisfactorily pass prerequisite water test. Satisfies one hour for PE activity.

**PHE 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. Satisfies one hour for PE activity.

**PHE 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.

## **MILITARY SCIENCE**

**MIL 111-112 - Military Science I.****Cr. 1-1 hr**

Introduction to the organization and mission of the U.S. Army, first aid, map reading, communication, customs and courtesies of the service.

**MIL 221-222 - Military Science II.****Cr. 2-2 hrs**

Leadership, small unit tactics, history of the U.S. Army, military instruction, and the threat.

**MIL 131-132 - Military Science III.****Cr. 3-3 hrs**

Leadership; methods of instruction, map reading, small unit tactics, and communications.

**MIL 241 - Military Science IV.****Cr. 2 hrs**

Ethics and professionalism, task force tactics, training management, threat army, drill, and ceremonies.

**MIL 242 - Military Science IV.****Cr. 2 hrs**

Written and oral communication, military justice and international law, command and staff functions, professional knowledge, drill, and ceremonies.

**HIS 110 - American Military History.****Cr. 2 hrs**

This course may be taken in lieu of one of the following courses: MIL 111, MIL 112, MIL 221, or MIL 222. See description listed under Social Science.

## HIGH SCHOOL COURSES

### Division of Humanities

#### English

##### ENG 001-003 English as a Second Language

Cr. 1/2 - 1/2 unit

An intensive summer course in listening, reading, speaking and writing in English for international students. Multiple class sessions daily feature drills and practical study in grammar, composition, and oral English.

##### ENG 001 - English 1A.

Cr. 1/2 unit

The long range goal of this course is to improve and develop the student's skills in reading, writing, listening, speaking, and critical thinking through the study of the language and its structure, composition, and literature. The course will include the student of vocabulary, spelling, grammar, and composition in addition to reading from the literature book and two outside readings. It will emphasize the expression of ideas through oral discussion and writing. There will be a minimum of eight compositions of different types throughout the semester.

##### ENG 012 - English 1B.

Cr. 1/2 unit

A continuation of English 1A. The long range goal is to improve and develop the student's skills in reading, writing, listening, speaking, and critical thinking through the study of the language and its structure, composition, and literature. Will include the study of vocabulary, spelling, grammar, and composition in addition to readings from the literature book and two outside readings. It will emphasize the expression of ideas through oral discussion and writing. There will be a minimum of six compositions of different types throughout the semester.

##### ENG 021 - English 2A.

Cr. 1/2 unit

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

##### ENG 022 - English 2B.

Cr. 1/2 unit

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

##### ENG 031 - English 3A.

Cr. 1/2 unit

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

##### ENG 032 - English 3B.

Cr. 1/2 unit

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



**ENG 033-034 - English as a Second Language (ESL). Cr. 1-1 unit**

A one year English course in listening, speaking, reading, and writing for foreign students. Class meets in multiple sessions daily for audio-visual drills and practical study of grammar, composition, and oral English.

**ENG 041 - English 4A. Cr. 1/2 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.

**ENG 042 - English 4B. Cr. 1/2 unit**

A continuation of English 4A with specific emphasis on a thematic approach to western literature; critical paper; continued writing practice.

**ENG 099 - English Trailer. Cr. 1/2 unit**

Designed as an ungraded course of makeup for students who are lacking a semester of high school English. A student may take this course only twice.

**ENG 990 - Three Great American Authors: Directed Study. Cr. 1/4 unit**

By permission of instructor.

**ENG 9901 - The Short Story: Directed Study. Cr. 1/4 unit**

By permission of instructor.

**ENG 9902 - Southwestern Literature: Directed Study. Cr. 1/4 unit**

By permission of instructor.

**COM 031 - Speech. Cr. 1/2 unit**

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

**COM 032 - Journalism/Mass Media. Cr. 1/2 unit**

Students will concentrate on newspaper journalism: writing articles, interviewing, and studying design. There will be some hands-on work with radio and television.

**COM 041 - Business Communication. Cr. 1/2 unit**

Theory and practice of writing in technical fields. Emphasizes efficient writing processes and effective written products, including correspondence, resumes, and reports. Students successfully completing this course may not enroll in BUS 041.

**COM 097 - Practicum in Yearbook Production. Cr. 1/4 unit**

A workshop devoted to producing the school annual, The Bronco. May be repeated for a total of 1 unit. Prerequisite COM 031 or COM 032 and permission of the instructor.

**COM 099 - Television Production Internship. Cr. 1/4 - 1/2 unit**

An introduction to the theories and practices of television production, including substantial hands-on experience. May be repeated up to a total of 1/2 unit. Prerequisite: Instructor's permission.

**RDG 052-053 - Corrective Reading. Cr. 1/4 - 1/4 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.

**RDG 054-055 - Reading/Study Skills. Cr. 1/2 - 1/2 unit**

Required for students admitted on academic probation. Class meets five times per week. The instructor makes an individual diagnosis on each student enrolled and prescribes a program of study for each. Letter grades are given and included in GPA.

**Modern Languages****Language Laboratory:**

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

**GER 011-012 - German 1A and 1B. Cr. 1/2 - 1/2 unit**

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

**GER 021-022 - German 2A and 2B. Cr. 1/2 - 1/2 unit**

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

**GER 033-034 - German 3A and 3B. Cr. 1/2 - 1/2 unit**

An independent study course in developmental reading and writing in German. Prerequisite: German 021-022 or permission of instructor.

**SPN 011-012 - Spanish 1A and 1B. Cr. 1/2 - 1/2 unit**

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

**SPN 021-022 - Spanish 2A and 2B. Cr. 1/2 - 1/2 unit**

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

**SPN 031-032 - Spanish 3A and 3B. Cr. 1/2 - 1/2 unit**

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

**SPN 041-042 - Spanish 4A and 4B. Cr. 1/2 - 1/2 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.

**FRN 011-012 - French 1A and 1B. Cr. 1/2 - 1/2 unit**

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

**FRN 021-022 - French 2A and 2B. Cr. 1/2 - 1/2 unit**

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

**Art****ART 011 - Art 1A. Cr. 1/2 unit**

Introduction to two-dimensional art: drawing, painting, design, lettering, and printmaking. No prerequisite. Course is offered each semester.

**ART 012 - Art 1B. Cr. 1/2 unit**

Projects in the three-dimensional design: paper sculpture, architectural model construction. Individual projects in final four weeks. Prerequisite: ART 011 or permission of the instructor. Course is offered in spring semester only.

**ART 021 - Art 2A. Art Appreciation. Cr. 1/2 unit**

Chronological survey of the painting, architecture and sculpture of major Western civilizations from cave paintings through medieval period.

**ART 022 - Art 2B. Art Appreciation. Cr. 1/2 unit**

Introduction to major stylistic developments in the visual arts from the Renaissance to the present.

**Music****MUS 011-012, 021-022, 031-032, 041-042 - Band Cr. 1/4 unit per semester**

Designed to provide a marching and concert band performance experience. The marching band aspect begins in August and continues until the football season is completed. Emphasis on performance in a concert setting begins in November and continues through the remainder of the academic year. Admission is gained through audition or invitation of the Director of Music.

**MUS 013-014, 023-024, 033-034, 043-044 - Stage Band.** Cr. 1/4 unit per semester

Open to all qualified students who are interested in jazz, popular, and "big band" music. Admission is gained by audition or invitation of the Director of Music.

**MUS 015-016, 025-026, 035-036, 045-046 - Choir.** Cr. 1/4 unit per semester

Open to all students who are interest in singing and performing vocal music of numerous periods and styles.

**MUS 017-018, 027-028, 037-038, 047-048 - Chapel Choir.** Cr. 1/4 unit per semester

Open to all students who are interested in singing and performing sacred music.

**MUS 010 - Applied Music Lessons.** Cr. 1/4 unit per semester

Provides private music instruction on piano, voice, and band instruments. It includes one-half hour lesson per week. Prerequisite: Permission of instructor.

**MUS 091-092, 093-094, 095-096, 097-098 - Small Ensemble.** Cr. 1/4 unit per semester

Provides a small ensemble performance experience as well as an expansion of instrumental and vocal techniques. Prerequisite: Permission of instructor.

## **DIVISION OF MATHEMATICS AND NATURAL SCIENCES**

### **Biology**

**BIO 021-022 - Biology.** Cr. 1/2 - 1/2 unit

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

### **Physics**

**PHY 031-032 - Physics.** Cr. 1/2 - 1/2 unit

Introduces the fundamental physical concepts of times, 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: MTH 021-022, MTH 023-024.

**ESC 031-032 - Earth Science.** Cr. 1/2 - 1/2 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.

## Chemistry

### CHM 031-032 - Chemistry.

**Cr. 1/2 - 1/2 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. Prerequisite: MTH 021-022 with a minimum grade of "C."

## Mathematics

### MTH 015-016 - Pre-Algebra.

**Cr. 1/2 - 1/2 elective unit**

Covers operations on whole numbers, decimals, fractions, signed numbers; percents; ratios; word-problems; perimeter; area; volume; algebraic phrases; exponentials; algebraic equations. These courses will only be offered in summer school. For elective credit only.

### MTH 017 - Algebra 1/2.

**Cr. 1/2 elective unit**

This is an accelerated course which covers in one semester the topics from MTH 015-016. Students who have completed MTH 016 should not enroll in the course. For elective credit only.

### MTH 021-022 - Algebra I.

**Cr. 1/2 - 1/2 unit**

Covers letters representing quantities; positive and negative numbers, percentages, word problems, polynomials, rational expressions, factoring, equations, lines, graphing, functions, radical and exponential forms, scientific notation, and the quadratic function.

### MTH 033-034 - Algebra II.

**Cr. 1/2 - 1/2 unit**

Reviews first-year algebra. Extends to numerical and literal equations, area, volume, surface area, uniform motion, complex numbers, similar triangles, right triangle trigonometry, applications to science-related problems, variation, graphs. Emphasis given to systems of linear equations, quadratic equations, systems of nonlinear equations, problem solving, concepts, and appropriate skills. Prerequisite: Successful completion of MTH 021-022.

### MTH 037-038 - Geometry.

**Cr. 1/2 - 1/2 unit**

Covers geometric forms and patterns in "real life" applications. Extends to observations for inductive reasoning and proofs. Geometric constructions and applications of geometry and introduced prior to proving the mathematics of geometry. This study of geometric building blocks includes area, volume, similarity, the Pythagorean Theorem and logic, with practical applications. Prerequisite: Successful completion of MTH 033-034.

### MTH 042 - Trigonometry.

**Cr. 1/2 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: MTH 033-034.

**MTH 043-044 - Geometry - Trigonometry - Algebra III (GTA III). Cr. 1/2 - 1/2 unit**

Continues the development in Algebra I and II. Normal geometric concepts are studied, including column and paragraph proofs. Logarithms are covered extensively with emphasis on the algebra of logarithms. Emphasis is given to all phases of trigonometry including trigonometric equations, identities and graphs. Other topics include matrices, determinants, arithmetic and geometric progressions, conic sections, roots of polynomial equations, and curve sketching. Prerequisite: Successful completion of Algebra II.

**MTH 061 - Calculus A. Cr. 1/2 unit**

Covers limits, derivatives of algebraic and trigonometric functions, related rates, optimization, curve sketching, antiderivatives, the definite and indefinite integral, area, volumes of revolution, arc length, surface area. Prerequisite: MTH 033-034 and MTH 042 with better than average grades.

**MTH 062 - Calculus B. Cr. 1/2 unit**

Covers applications of integration, logarithms and exponential functions, inverse trigonometric functions, hyperbolic functions, techniques of integration, infinite series, power and Taylor series. Prerequisite: minimum grade of "C" in MTH 061.

**MEN 051 - Mechanical Drawing. Cr. 1/2 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: MTH 023-024.

**CSI 051 - Computer Science. Cr. 1/2 unit**

Introduces programming through the language BASIC. Emphasis is given to structured programs and documentations. Topics covered include the usual topics as well as single and double subscripted arrays, the bubble sort, and a brief introduction to sequential and random access files. The computers used are the VAX 11/750 and Macintosh.

**CSI 027 - PASCAL Programming. Cr. 1/2 unit**

Covers the high level programming language PASCAL. Emphasis is placed on logically structured, well-documented computer programs using algorithms and data structures. Prerequisite: CSI 051 or equivalent experience.

## **DIVISION OF SOCIAL SCIENCE AND BUSINESS ADMINISTRATION**

**Social Science****HIS 011-012 - World History. Cr. 1/2 - 1/2 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.

**HIS 021-022 - United States History.****Cr. 1/2 - 1/2 unit**

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

**HIS 031 - History of New Mexico.****Cr. 1/2 unit**

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

**HIS 099A - History of East Asia.****Cr. 1/2 unit**

Surveys the history of China and Japan from the earliest times but with special reference to the period from 1800. Brief references are made to Korea and Vietnam.

**HIS 099B - History of Southeast Asia from 1800.****Cr. 1/2 unit**

After a brief survey of Southeast Asian cultural history, the course considers the impact of the West, the path to independence and the subsequent history of the region. Special reference will be made to Singapore and to other Asian countries.

**GVT 031 - American Government.****Cr. 1/2 unit**

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

**PSY 041 - Psychology.****Cr. 1/2 unit**

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

**GEO 021 - Geography and Current History.****Cr. 1/2 unit**

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

**SOC 041 - Sociology.****Cr. 1/2 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.

**Aviation Science****AVN 041 - Private Pilot Ground and Flight Instruction.****Cr. 1/2 unit**

A study of aviation subjects, and flight instruction designed to prepare the student for the Federal Aviation Administration's (FAA) Private Pilot's Written Examination and Flight Test. Prerequisites: Student must be at least 17 years of age at course completion, and hold a Class III Medical Certificate and Student's Pilot License. This course cannot be taken for college credit. Special Fee Required.

## **Business Administration**

### **BUS 021-022 - Typing.**

**Cr. 1/2 - 1/2 unit**

Studies the location and manipulation of the keyboard, principle parts of the keyboard and their use, and the study of the business letter, term paper, and other special forms. The Apple IIe word processor is used. Lab fee required.

### **BUS 031-032 - Accounting.**

**Cr. 1/2 - 1/2 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.

### **BUS 035 - General Business.**

**Cr. 1/2 unit**

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.

### **BUS 041 - Technical Communication.**

**Cr. 1/2 unit**

Theory and practice of business writing emphasizing style, structure, and format in letters, memoranda, resumes, and reports. Students successfully completing this course may not enroll in COM 041.

### **CSI 017 - Computer Concepts.**

**Cr. 1/2 unit**

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

### **ECN 051 - Economics.**

**Cr. 1/2 unit**

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

## **PHYSICAL EDUCATION**

### **PHE 011-060 - Basic Concepts of Physical Education.**

**Cr. 1/4 unit each**

Designed for Sixth and Fifth Class cadets, stressing the what, why, and how of physical fitness.

### **PHE 021-099 - Exploring Lifetime Sports.**

**Cr. 1/4 unit each**

Designed to introduce high school cadets to many individual sports with lifetime carry-over value.



## LEADERSHIP EDUCATION

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

### **LET 011-012 - Leadership Education 1. Cr. 1/4 - 1/4 unit**

Consists of sub-courses 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.

### **LET 021-022 - Leadership Education 2. Cr. 1/4 - 1/4 unit**

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

### **LET 031-032 - Leadership Education 3. Cr. 1/4 - 1/4 unit**

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, Drill, and Introduction to Leadership Development 4.

### **LET 041-042 - Leadership Education 4. Cr. 1/4 - 1/4 unit**

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

### **RDG 051 - Ex Libris Developmental/Analytical Reading. Cr. 1/4 unit**

A course in reading improvement, including basic and advanced methods for text books. All reading techniques and skills are developed to achieve flexibility, efficiency, and speed. Grade: S or U for transcript, not included in GPA. Extra fee.

### **RDG 099 - Ex Libris ACT/SAT Review. Cr. 0 unit**

A course for any high school student who will be taking the Preliminary Scholastic Aptitude Test, the Scholastic Aptitude Test, or the American College Test who feels motivated to enter a program designed to gain facility and practice in taking such testing processes. Covers verbal areas of synonyms, antonyms, analogies, vocabulary, syntax, and grammar as well as reading in social science and natural science. A complete series of problems in mathematics, including algebra and geometry. Grade: S or U for transcript, not included in GPA. Extra fee.

## ROTC PROGRAM

New Mexico Military Institute offers four years of Army Junior ROTC in the high school and a two-year Basic Course or Advanced Course of Senior ROTC in the college. The curriculum of the college programs is administered by the Military Science Department (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, in drills, parades, reviews, ceremonies, inspections, and practical training exercises germane to the ROTC program.

In addition to Military Science (MS) courses, requirements for the Army commission include completion of an undergraduate course in three separate fields of study; written communications, human behavior, and military history. Two additional fields, management and national security, are strongly recommended. The Professor of Military Science (PMS) may defer the military history (HIS 110) requirement for commissioning at NMMI if the student can demonstrate that taking HIS 110 will adversely affect the acquisition of the associate degree at the Institute. In any case, all Professional Military Education (PME) requirements must be completed prior to the completion of the baccalaureate degree. Many college do not offer military history; hence, its waiver at NMMI is not recommended. The same caution applies to non-contract cadets who plan on entering a four-year ROTC commissioning program.

### ADVANCED COURSE ARMY ROTC

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

**Basic ROTC Camp:** The ROTC Basic Camp is a six-week camp operated by the U.S. 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 April 15 to permit adequate time for processing. Attendance at Basic Camp incurs no obligation, but students are strongly encouraged to enroll in the Advanced Course upon arrival at NMMI.

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 or for active duty with any of the Armed Forces.

**Advanced ROTC Camp:** The ROTC Advanced Camp is a six-week camp operated by the U.S. Army at Fort Lewis, Washington. Attendance is scheduled for advanced course cadets during the summer between the student's freshman and sophomore years. Students may also request airborne, air assault, or other Army special courses, to include two/three weeks with an active Army unit for leadership training.

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

**Academics:** Have an acceptable score on either the ACT or SAT college entrance exam (ACT composite of 17 and above and/or SAT total of 850 and above) and be a high school graduate with a minimum GPA of 2.00 on the 4.0 scale or equivalent (C average).

**Age:** More than 18 years and able to complete the program before reaching age 28.

**Physical:** Pass a standard Army or service academy physical examination.

**Loyalty:** Be an American citizen and pass a National Security Agency check.

**Obligation:** A cadet who desire to pursue a U.S. Army commission is required to sign a contract which guarantees the student a commission in the Army Reserve, provided he or she satisfactorily completes the prescribed course of ROTC instruction. In turn, the student agrees to serve on active duty as a commissioned officer for four years plus four years with the Army Reserve. The student may also request the option of only three to six months of active duty and the remainder of the eight years with a Reserve component. A student does not incur any type of obligation by attending the basic camp, but may make the decision to contract for the ROTC advanced course program before leaving camp or when the student 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 per month while enrolled in college during the cadet's freshman and sophomore years at NMMI (nine-month school year). Ten months/year 20 months total.

**Uniform Commutation:** Approximately \$950.

**Basic Camp:** Transportation is provided or travel expenses are reimbursed; food, clothing, and housing are provided, and the student is paid approximately \$600 for the six-week 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 (approximately \$650 as a cadet at the U.S. Military Academy for the six week-period of camp.

**Simultaneous Membership Program (SMP):** Cadets who are members of 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 options:** Upon completion MSIII and MSIV instruction (end of sophomore year), cadets will receive their commissions as second Lieutenants in the U.S. Army Reserve. They are then deferred up to three years to obtain their baccalaureate degree. During these three years they affiliate with National Guard or Army Reserve units as second lieutenants (earning approximately \$3,000 per year), they may apply for active duty when they receive the baccalaureate degree.

**Baccalaureate Degree:** Upon receipt of the baccalaureate degree, reserve officers from the MJC program may go on active duty for four years or request active duty for training (three to six months) and subsequent reserve force duty. They may also apply for an educational delay to attend graduate school.

**Regular Army Commission:** Advanced ROTC cadets in the upper half of their academic class and in the upper third of their military class, possessing the required outstanding traits of leadership, character, and general military aptitude, may be designated a Distinguished Military Student (DMS). If they retain their rating until obtaining a baccalaureate degree, they must be designated a Distinguished Military Graduate (DMG). DMGs are eligible to apply for commissioning as second lieutenants in the Regular Army rather than the Army Reserve.

## ARMY ROTC BASIC COURSE

College students not qualified for participation or who elect not to contract in the advanced course program (MSIII, MSIV) will be enrolled in the non-contract ROTC Basic Course (MSI, MSII). 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 into the advanced course program. They take MSI and MSII at NMMI and MSIII and MSIV at a college of their choice. These cadets participate at NMMI in classroom instruction and practical field training exercises. Participants in the USMC platoon leaders course also take the basic course program at NMMI. There is no military obligation incurred by taking the basic course.

## JUNIOR ROTC (High School)

All high school cadets participate in the Junior ROTC program. Junior ROTC consists of leadership education courses 1 through 4 which coincide with the year the high school cadet enters the program and not the year the student is in high school.

## SERVICE ACADEMIES

The above programs may be taken by Service academy aspirants. The Army may release non-scholarship 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 Honor Military School nominations to the principle Service academies.

## ARMY ROTC SCHOLARSHIPS

The U.S. Army has authorized the PMS to process two, three, and four-year Army ROTC scholarships. Students may also compete at the basic camp for two-year scholarships for use at MJC's only.

Four-year scholarship winners (except engineering and nursing) 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. This allows them to get exposure to both the disciplined military environment of a military junior college and the more permissive environment of a four-year school while concentrating on their academic major. Competition for basic camp two-year scholarships is based not only on the candidate's prior academic and activity record, as are other scholarship, but is also based on performance at the basic camp. Additionally, NMMI has ten dedicated military junior college two year ROTC scholarships that will be awarded to incoming college cadets by the Professor of Military Science. These ten scholarships are based upon prior academic activity records and do not require attendance at basic camp if the candidate has had three or more years in Junior ROTC. All qualified cadets may compete on an equal basis for the MJC two-year scholarships. The scholarships provide for the payment of all tuition, books, fixed school laboratory fees, as well as \$100 per month for the scholarship period. Those students who do not win a four- or three-year scholarship often do very well and win a two-year scholarship for use at an MJC.

## ATHLETICS

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, dance, body building, racquetball, swimming, kayaking, backpacking, 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. As members of the National Junior College Athletic Association, the junior college teams compete with other colleges in basketball, track, golf, and tennis.

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, volleyball, swimming, golf, tennis, baseball, wrestling, and rodeo.

## FINANCIAL CHARGES AND PAYMENT POLICY

Each cadet is assigned two financial accounts as follows:

**TUITION AND FEES.** Tuition, fixed fees, room, board, and laundry (limited to specific number of items each week) are charged on a one-semester basis. Additionally, a yearly charge is made in the first semester for cadet accident insurance. This is not an optional plan, but is required of all students. Please note this is a **SUPPLEMENTAL ACCIDENT POLICY**, not a medical policy. It is not intended to cover all costs but rather to supplement the family policy. The non duplication of benefits provision allows the school to provide a group accident insurance policy for a nominal cost.

**CADET ACCOUNT.** The Cadet Account is intended to be used to meet day-to-day expenses (personal hygiene items and school supplies) and uniform costs. The following are authorized on-campus uses:

- Uniform Purchases
- Books and supplies
- Lab fees
- Barracks breakage
- Personal items purchased at the Cadet Store
- Military property shortage
- Diploma
- Dry cleaning
- Excess laundry charges
- Infirmary prescription charges
- Library losses and fines
- State textbook losses

These items may be charged only if the Cadet Account balance is adequate. For those students depending on financial aid and/or scholarships for funding, a limit will be established for spending based on each student's individual award letter. Charges above the limit will not be allowed.

The Cadet Account will be assessed by the use of the charge slips issued to students. A monthly statement itemizing all purchases will be forwarded to the parent (copy to cadet) before the tenth of the following month.

A minimum balance of \$50.00 is required at all times. You may maintain as large a balance as you desire. Parents who desire may request their cadets to be placed on a "Necessities Only" program. This limits purchases by the cadet to items that are necessary for personal hygiene, school supplies, and uniform items.

Those uses of the Cadet Account which are NOT ALLOWED are listed below with recommended means of payment:

- Cash withdrawal** - personal checks will cashed in the Cadet Store
- Student activity fees** - personal check or cash accepted
- Travel expenses** - must be arranged by parent or student
- Rodeo - Cavalry charges** - semester payment must accompany rodeo agreement
- Dances** - personal check or cash
- Doctor - dentist charges** - must be arranged by parent and student
- Ex Libris course fee** - Payment must accompany course registration
- Golf Course charges** - personal check or cash
- ACT-SAT-PSAT** - personal check or cash
- Photographs** - personal check or cash
- Long distance telephone** - place all calls "collect"
- Driver's training** - personal check at course registration

It will be left to the parent and student to determine a suitable method to meet these expenses. Alternatives include local bank accounts, maintaining hometown bank accounts, automatic teller machines near the campus, mailing checks directly to cadets, etc.

**Special Fees** (paid only by student to whom fee applies). Laboratory fees are required for courses related to languages, computers, natural and physical sciences, business and physical education. Other special fees are late registration, graduation fee, charge slips, transcript fee, matriculation fee (one-time charge) and deferred payment plan charge. In addition, special fees are charged for the Ex Libris Development Reading program, ACT/SAT Review Course, driver's training, participation in golf, skiing, etc.

**Payment Plan** - There are two plans for paying tuition and fees. The Cadet Account and personal expenses may not be deferred.

**1. CASH PLAN:** You pay total tuition and fee charges prior to or at matriculation. This includes all the tuition and fee costs plus an amount necessary for the purchase of uniforms and school supplies.

**2. DEFERRED PAYMENT PLAN:** A fee is charged for this service. Under this plan, a deposit is required for tuition and fees as well as the amount needed for uniforms and school supplies. This initial payment is followed by monthly payments.

**Tuition and fees** - checks and money orders should be made payable to NMMI. Please write the cadet's name and cadet number in a legible manner on the face of your check. Returned checks are automatically referred to a collection company, which assesses a collection charge against the check writer.

Visa/Mastercharge - The Business Office and Cadet Store will accept VISA/Mastercharge credit cards. VISA/Mastercharge will be accepted for total or partial payment of tuition and fees and cadet account. The Cadet Store will accept the cards for purchases.

Financial Responsibility - At the end of any semester, any student whose accounts have not been paid in full will not be eligible to reenroll for a subsequent semester. NMMI RESERVES THE RIGHT TO CANCEL THE REGISTRATION OF ANY STUDENT WHO FAILS TO PAY, WHEN DUE, ANY INDEBTEDNESS. ACADEMIC CREDITS, TRANSCRIPTS, AND DIPLOMAS WILL BE WITHHELD UNTIL ALL FINANCIAL OBLIGATIONS ARE PAID.

**Scholarship Policy** - All recipients are required to make formal application for scholarship consideration annually. This includes recipients of scholarships with an annual renewal provision in the criteria. All applications should be directed to the Chairman, Scholarship Committee.

Institutional scholarships will be credited to the recipient's tuition account on Friday of the third week of classes. Cadets who have withdrawn from NMMI for any reason prior to the Friday of the third week of classes will not receive scholarship funds. If a student withdraws from school for any reason during the First semester, he/she is not entitled to the scholarship if he/she is re-enrolled during the same academic year.

ROTC scholarships are administered under policies provided by the U.S. Army and will be credited to recipients' accounts upon receipt.

**Refund Policy** - Should a cadet withdraw or be dismissed, the semester tuition and fee charges (other than matriculation and fees imposed as a penalty) will be refunded as follows:

1st to five class days	100%
next five class days	75%
next ten class days	50%
next ten class days	25%

There will be no refund for the semester room charge after the first day of classes. Semester board and laundry charges will be prorated on a weekly basis. The insurance fee is non-refundable. No refund will be made for uniform items which have been altered, laundry marked or worn. Balances remaining in the Cadet Account will be refunded in full, providing a balance is not due for tuition and fees.

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## OFFICERS OF THE INSTITUTE

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- Winfield W. Scott, Jr., Lieutenant General, USAF Ret. (1990) ..... Superintendent  
 B.S., United States Military Academy  
 M.A., The Catholic University of America  
 Armed Forces Staff College  
 Naval War College
- Donald Stuart, Brigadier General, NMMI (1983) ..... Deputy Superintendent  
 A.A., New Mexico Military Institute  
 B.A., M.A., Ph.D., New Mexico State University
- Joseph F. Tuso, Colonel, NMMI (1987) ..... Academic Dean  
 B.A., Don Bosco Seminary  
 M.S., Georgia College  
 M.A., Ph.D., University of Arizona  
 USAF Fighter Weapons School
- Seth R. Orell, Lieutenant Colonel, USA Ret. (1989) ..... Commandant of Cadets  
 A.A., New Mexico Military Institute  
 B.B.A., Southern Methodist University  
 M.B.A., Syracuse University  
 USA Command and General Staff College
- William C. Wyles, Colonel, NMMI (1973) ..... Vice-President for Development  
 A.A. New Mexico Military Institute  
 B.A. University of Arkansas  
 M.B.A. Eastern New Mexico University
- James H. Matchin, Lieutenant Colonel, NMMI (1976) ..... Director of Admissions  
 A.A., New Mexico Military Institute  
 B.A., New Mexico State University
- Velton R. Chancey, Lieutenant Colonel, NMMI (1978) ..... Director of Physical Plant  
 B.B.A., Eastern New Mexico University
- Charla Featherstone, Lieutenant Colonel, NMMI (1978) ..... Assistant Dean/  
 B.S., Texas Christian University High School Principal  
 M.A., Eastern New Mexico University
- Antonio L. Pino, Lieutenant Colonel, USA (1989) ..... Professor of Military Science  
 B.S., Cameron University  
 M.A., Central Michigan University  
 USA Command and General Staff College



- Richard C. Stecklein, Colonel, NMMI (1973) ..... Director of Athletics  
 B.A., Southern Colorado University  
 M.A., Fort Hayes State University
- Robert E. Shea, Lieutenant Colonel, NMMI (1975) ..... Registrar  
 B.A., College of the Holy Cross  
 M.Ed., University of Maryland
- Judy A. Collins, Lieutenant Colonel, NMMI (1980) ..... Business Manager  
 B.B.A., Eastern New Mexico University  
 M.B.A., Eastern New Mexico University

**FACULTY**

- Manuel L. Acosta, Major, NMMI (1985) ..... Assistant Professor of Spanish  
 B.A., M.Ed., Eastern New Mexico University
- Wendell H. Affsprung, Colonel, NMMI (1974) ..... Professor of English  
 B.A., University of Cincinnati  
 M.A., Ph.D., Washington University
- David G. Alexander, Sergeant First Class, USA Ret (1989) ..... Instructor of JROTC
- Theodore H. Alley, Master Sergeant, USA Ret (1985) ..... Instructor of JROTC
- Jeffrey L. Anderson, Major, USA (1986) ..... Assistant  
 B.A., University of Iowa ..... Professor of Military Science
- Edward L. Bencini, Major, NMMI (1976) ..... Advisor/Counselor II  
 B.A., M.Ed., Southern Illinois University
- Michael D. Borchers, Master Sergeant, USA (1990) ..... Instructor of SROTC
- Kathy L. Bourandas, Major, NMMI (1987) ..... Assistant Professor of English  
 B.A., Pennsylvania State University  
 M.A., University of Pittsburgh
- J. Dwight Burns, Major NMMI (1978) (1984) ..... Colt Football Coach;  
 B.A. Angelo State University ..... College Tennis Coach
- Nancy M. Burrola, Major, NMMI (1987) ..... Advisor/Assistant Professor, SAC  
 B.A., New Mexico State University  
 M.A., University of New Mexico
- John Camp, Captain, NMMI (1988) ..... Instructor of English  
 B.A., B.B.A., M.A., Southern Methodist University
- Connie G. Campos, Captain, NMMI (1988) ..... Instructor in Computer Sciences;  
 B.A., M.Ed., Eastern New Mexico University ..... Coach
- Phillip M. Carlson, Lieutenant Colonel, NMMI (1971) ..... Associate Professor  
 B.S., California State College of Pennsylvania ..... of Foreign Language  
 M.A., Millersville State College

- William P. Carroll, Major, USA Ret (1983) ..... Advisor/  
 B.A., San Francisco State University Assistant Professor, SAC  
 M.B.A., Eastern New Mexico University
- Dorothy S. Carter, Major NMMI (1986) ..... Advisor/Assistant Professor, SAC  
 B.A., M.A., Texas Tech University
- Terry L. Cleveland, Colonel NMMI (1973) ..... Professor of Mathematics; Chairman,  
 B.A., Fort Hayes State University Division of Mathematics and Natural Sciences  
 M.A., University of Missouri  
 D.A., University of Northern Colorado
- Christopher A. Cortez, Major, USA (1989) ..... Assistant Professor Military Science  
 A.A., College of the Canyons  
 B.A., California State University, Northridge  
 USA Command and General Staff College
- Carlyle I. Dean, Major, NMMI (1985) ..... Head Bronco Basketball Coach;  
 B.A., Northwest Nazarene College Assistant Professor of Physical Education  
 M.S., Oregon State University
- Janette R. Dean, Captain, NMMI (1985) ..... Reading Specialist  
 B.A., Northwest Nazarene College
- Michael Donovan, Lieutenant Colonel, NMMI (1979-1984) (1985) ..... Associate Professor  
 B.A., University of California, Riverside of Music; Bandmaster;  
 M.Mus., University of Oregon Chairman, Department of Music
- H. Alan Edmonson, Major, NMMI (1980) ..... Assistant Professor of Social Science  
 B.A., M.A., New Mexico Highlands University
- Paul J. Engelbrecht, Major, NMMI (1984) ..... Assistant Professor of Mathematics  
 B.S., M.S., University of Colorado
- Charla S. Featherstone, Lieutenant Colonel, NMMI (1978) ..... Assistant Professor of  
 B.S., Texas Christian University Mathematics; Assistant Dean and  
 M.A., Eastern New Mexico University High School Principal
- Kathy Flanary, Major, NMMI (1985) ..... Library/Media Specialist II  
 A.B., M.L.S., University of Illinois
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- A. Steve Gallegos, Major, NMMI (1981) ..... Assistant Professor of Foreign Languages  
 B.S., M.S., New Mexico Highlands University
- Jerry A. Garcia, Major, NMMI (1978) ..... Assistant Professor of Mathematics  
 B.S., M.S., Eastern New Mexico University
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 B.A., New Mexico State University  
 M.B.A., Eastern New Mexico University

- William E. Gibbs, Colonel, NMMI (1976) ..... Professor of History  
 A.B., Ohio State University  
 M.A., Marshall University  
 Ph.D., Kent State University
- Garitt S. Griebel, Major, NMMI (1988) ..... Assistant Professor of English  
 B.A., Regis College  
 M.A., University of Nebraska
- Janice H. Grimm, Major, NMMI (1987) ..... Advisor/Counselor II  
 B.S., M.S., South Dakota State University  
 M.A., University of South Dakota
- Mark S. Gulley, Major, NMMI (1988) ..... Assistant Professor of Physics  
 B.A., Hendrix College  
 M.S., Oklahoma State University
- James V. Hall, Jr., Lieutenant Colonel, NMMI (1966) ..... Associate Professor of English  
 B.S., Eastern New Mexico University  
 M.S., Purdue University
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 B.S., Adams State College  
 M.S., Virginia State College
- William R. Holmes, Lieutenant Colonel, NMMI (1967) ..... Associate Professor of Chemistry  
 B.S., Southern Oklahoma State University  
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- J.J. Jenkins, Colonel, NMMI (1965) ..... Professor of Chemistry;  
 B.S., Texas Tech University Chairman, Department of Physical Sciences  
 M.S.T., University of Arizona
- Thomas R. Kampsen, Lieutenant Colonel, USAF Ret (1983) ..... Assistant Professor  
 B.S., Villa Madonna College of Biology  
 M.S., Eastern New Mexico University  
 D.M.D., University of Louisville
- Frank H.H. King (1989) ..... Distinguished Visiting Professor of Far Eastern Studies  
 A.B., A.M., Stanford University  
 M.A., D.Phil., Oxford University
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 B.S., Wayne State University  
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- Michael C. Lacer, Captain, NMMI (1987) ..... Instructor of Physical Education  
 A.A., New Mexico Military Institute  
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- Gary V. Larson, Lieutenant Colonel, NMMI (1968) ..... Associate Professor of Social  
 B.A., M.A., University of Northern Colorado Science; Chairman, Department  
 of Social Science

- Darlene L. Logan, Lieutenant Colonel, NMMI (1978-80) (1981) ..... Associate Professor  
 B.A., University of Toledo of English  
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 B.A., M.Ed., Eastern New Mexico University Chairman, Division of Humanities
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