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Academic Support

The Academic Support Center

The Academic Support Center (ASC) offers a range of services to supplement UNM-LA's academic programs. ASC organizes and hosts homework/study groups, review sessions, and workshops, while offering additional course resources and various types of extra help and free tutoring (drop-in, by appointment, and online). Services cover a wide range of academic subjects, and special arrangements can be made for those subjects not currently covered. The ASC is located next to the Student Center, on the top floor of Building 2. For more information, tutor schedules, and access to online tutoring, visit the ASC homepage.

Bookstore

UNM-Los Alamos has partnered with MBS Direct, an online textbook vendor, to supply all required books for our programs. It is the student's responsibility to order their own textbooks. The online vendor will make textbooks available for purchase six (6) weeks prior to the start of classes.

Required and optional books for Lower Division, and Community Education classes are listed. Students may purchase their textbooks using a credit card or can charge them to their UNM-LA student account by visiting the Cashier and obtaining a book voucher. Students may access MBS by clicking on the “Ordering Books” link on the UNM-LA web page or visiting https://bncvirtual.com/unm.

Learning Resource Center

The Learning Resource Center, located in Building 7, houses the Library, Testing Center, Career Center, Adult Learning Center and workforce/business partnership offices. The newly-remodeled UNM-Los Alamos Library provides multiple state-of-the art collaborative spaces as well as individual study spaces, computing facilities, electronic and traditional research resources, wireless internet, printing, and qualified support staff. It is open to the public.

A loft, upstairs from the main floor of the library, is a pleasant, airy space, which houses a distinctive Southwest Collection and provides a quiet area for study and instruction. The library team is friendly, knowledgeable, and very dedicated to helping library patrons with their information needs.

Changing art and book exhibits in the library contribute to an aesthetically pleasing environment for all library visitors. For more information, visit the library website.

Academics

Academic Regulations

Students are responsible for complying with all regulations of the University, their respective colleges, and the departments from which they take courses, as well as for fulfilling all degree requirements. Students are responsible for knowing and complying with all academic regulations.

Change of College

Undergraduate students who desire to gain admission to a degree-granting unit or to change their enrollment from one degree program to another within the University must meet with an advisor. A change in degree program after
the third week of the semester will not be effective until the following semester.

Class Hours and Credit Hours

For all methods of instruction, UNM’s assignment and award of credit hours conforms to commonly accepted practices in higher education in accordance with federal regulations 34 CFR 602.24(f).

The minimum requirements for assigning one (1) semester credit hour consists of one (1) 50-minute period of classroom or direct faculty instruction and a minimum of two (2) hours of out-of-class student work each week of the semester, or at least an equivalent amount of work as established by the degree granting college.

Course Load Guidelines

Undergraduates/Non-Degree

Fall/Spring Semesters

Full-time: 12 or more credit hours.
Three-quarter time: 9-11 credit hours.
Half-time: 6-11 credit hours.
Less than half-time: 5 or fewer credit hours.

Summer Session

Full-time: 6 or more credit hours.
College of Nursing full-time: 12 or more credit hours.
Three-quarter time: 5 credit hours.
College of Nursing three-quarter time: 9-11 credit hours.
Half-time: 3-5 credit hours.
College of Nursing half-time: 6-11 credit hours.
Less than half-time: 1 or 2 credit hours.
College of Nursing less than half-time: 5 or fewer credit hours.

Course Numbering System

The University of New Mexico began the transition to a four-alpha, four-number (e.g., ENGL 2310) Common Core Course Number effective Fall 2019, in compliance with 5.55.5 NMAC.

Courses offered at the University are numbered from 001 through 999:

001 to 100 courses may or may not carry credit, but are not applicable to a baccalaureate degree.
101 to 1999 courses are lower-division, and are normally open to freshmen.
200 to 2999 courses are lower-division, and are normally open to sophomores.
300 to 499 courses are upper-division, and are normally open to juniors, seniors and graduates.
500 to 999 are graduate and professional level, and are normally open only to students enrolled in graduate degree programs, School of Law, College of Pharmacy, or the Doctor of Medicine program.

NOTE: Undergraduate or non-degree students without a degree may not enroll in any graduate problems courses for undergraduate credit.

Technical, vocational or special courses are applicable for baccalaureate credit only upon petition to and approval from the University of New Mexico degree granting unit.

Freshmen may in some instances qualify for courses numbered in the 200’s. Courses numbered 300 and above are not open to lower-division students (freshmen and sophomores) except in rare instances, and then only with the approval of the college dean. When appropriate, students may be disenrolled from courses numbered 200 and above. See the individual college sections of this Catalog for specific regulations.

General Education Curriculum

As per UNM’s General Education website:
The General Education curriculum empowers students to face a rapidly changing world with the ability to frame questions and solve problems. Complementing the major, General Education courses provide a set of strategies: communication, critical thinking, information analysis, quantitative skills, and responsibility towards local and global communities. Students develop these strategies from different angles by taking one or more courses (usually numbered at the 1000- and 2000-levels) in each of the areas of study of the General Education curriculum. Some General Education courses involve students directly in addressing crucial problems through undergraduate research, race and social justice analysis, global awareness, community engagement, and innovation. By providing a base of knowledge and flexible tools for thinking, General Education courses equip students for success throughout their education and after graduation.

Exploring different areas in general education can be a great college strategy to find out what really interests you. Or, if you have a major in mind, your advisor can help you identify some courses to help you prepare for your next steps. Either way, browsing the course descriptions in areas of study will help you find courses, from large classes to small seminars, that take you to unexpected places. See the current list of courses that meet requirements in each area on UNM's General Education website.

**U.S. Global Diversity and Inclusion Requirement**

The University of New Mexico values learning outcomes related to diversity and inclusion. The stated aim of the U.S. Global Diversity and Inclusion undergraduate degree requirement is to promote a broad-scale understanding of the culture, history or current circumstance of diverse categories of people who have experienced historic and/or contemporary inequitable treatment in the U.S. or in a global context. To satisfy the requirement, students complete a three-credit hour course from an approved list of courses that have their primary emphasis (at least 50% content) on one or more of the following areas: gender, race, class, ethnicity, sexual orientation, disability, religion, language, culture, and/or other marginalized category of people. These courses include primary learning outcomes pertaining to the experiences of diverse categories of people and potential solutions to the challenges facing diverse communities. Courses may double count with any other requirements including General Education courses (e.g., Area 6: Foreign Language) or other substantive courses in the General Education requirements.

Associate degree programs offered at UNM-Los Alamos might not require a US Global Diversity and Inclusion course.

For a list of approved courses fulfilling this requirement, please review the US Global Diversity and Inclusion course lists.

**Grades**

Semester grades are available via LoboWeb. Grades are posted nightly as they are entered by the instructor. Final semester GPA calculations, Dean's List determinations and probation/suspension decisions are processed after the last official day of the semester.

UNM–Los Alamos uses a fractionated grading system. Following are the allowable grades and associated grade points:
CR - Credit: Results in credit for the course, but is not computed into the grade point average. CR is the equivalent of at least a grade of C. At the graduate level, CR is used to report completion of a master's thesis or doctoral dissertation. See the following pages for specific information concerning pass/fail (CR/NC) option grading.

NC - No Credit: Not computed into the grade point average. At the graduate level NC is also used to report unsatisfactory completion of a master's thesis or doctoral dissertation. Certain workshops and courses may be offered under CR and NC as defined above.

NR - Not Reported: If a grade has not been received by the end of the grading period, an NR is assigned. A grade of NR is not computed into the grade point average. After two years, the remaining NR grades are converted to W grades.

I - Incomplete: Given only when circumstances beyond the student's control have prevented completion of the work of a course within the official dates of a session. (See the policy on Removal of Incomplete.)

AUD - Audit: Recorded for completion of enrollment in an audited course. No credit is earned for an audit grade option.

W - Withdrawal: Used for withdrawals after the grade required deadline beginning in Fall 2012, and for approved administrative withdrawals at the end of a semester.

Examples of administrative withdrawals include: determination by the instructor that the student never attended the class, processing errors, catastrophic illness of the student or other reasons beyond the student's control.

**Grade Point Average**

An undergraduate student's grade point average is calculated by dividing the total number of quality grade points earned at the University of New Mexico by the total number of credit hours attempted, and truncated by two decimals. These credit hours must be attempted in courses with letter grades and the courses must be numbered 100 or above. Courses for undergraduate students given a grade of W, WP, WNC, CR, NC, PR, AUD, or I are excluded in the grade point average calculation. For graduate students, the Graduate Studies office, internally for their record keeping processes, calculates a grade of "I" as a 2.0 until replaced by another letter grade.

Beginning Fall 2006 the academic transcript reflects a level GPA. The courses a student takes become a part of the level to which the student has been admitted. If a student is in an associate degree program, the level is associate degree, and all the courses taken in that level are reflected in the associate GPA. Courses that are not remedial or technical are also calculated into the undergraduate GPA. If the student is in a bachelor's degree program, the courses taken in that status are calculated in the undergraduate GPA. The various levels are Associate, Undergraduate, Graduate, Non-Degree Undergraduate and Non-Degree Graduate. Each level has a GPA.

NOTE: This is a general University of New Mexico grade point calculation. Schools and colleges within the University may compute the grade point average differently. Grades earned in courses taken at other institutions are not included in calculation of the University of New Mexico grade point average. The UNM transcript is the official record of the student's grade point average at UNM, and reflects only courses taken at the University of New Mexico.

**Grade Options**

Pass/Fail (CR/NC) Option
This grading option is open to students enrolling in courses that do not apply to their major.

A student is permitted to enroll in a maximum of 4 credit hours per semester under the pass/fail (CR/NC) grading option.

CR (credit) is the equivalent of at least a grade of “C.” Students who do not satisfactorily complete a course under pass/fail (CR/NC) grading will receive “NC” (no credit).

A course may be changed to the pass/fail (CR/NC) grade option. See current Academic Calendar for deadlines at http://losalamos.unm.edu/academics/academic-calendar.html.

A maximum of 24 credit hours graded pass/fail (CR) will be allowed toward a baccalaureate degree. Graduate students may not count more than 6 hours of course work in which a “C” (2.0), “C+” (2.33) or “CR” was earned.

Courses that are specifically approved for pass/fail (CR/NC) are not included in the 24-credit hour maximum allowed toward degree requirements.

The following may not be taken under the pass/fail (CR/NC) option:

Courses in the University Honors Program and the Undergraduate Seminar Program.
Courses that are part of the student’s major (as defined by the major department) with the exception of those courses especially approved for use of pass/fail (CR/NC) grading.
Courses that are part of the student’s minor (see specific college and departmental requirements).
Correspondence courses.
Courses the student is repeating after first having taken the course under the regular grading system.
Some schools, scholarship committees, and honorary societies do not accept this grading system and convert grades of “Credit” to “C” and “No Credit” to “F” when computing grade point averages or may otherwise penalize students who use this option.

NOTE: Students may not be penalized by a department if, when selecting or changing a major field, they have taken a course in their major on a pass/fail (CR/NC) option basis.

Audit

A student may register to audit a course, with written permission of the instructor. A student who fails to attend class may be dropped at the instructor’s request. The fee and tuition for audited courses are the same as for credit courses.

Audit enrollment receives no credit and is not included in the student’s total course load for purposes of enrollment certification and financial aid enrollment requirements. Audited courses appear on the academic record. Courses taken for Audit may be repeated for credit.

Incomplete (I) Grade

According to academic policy, incomplete grades must be completed before a student is eligible to graduate from the University of New Mexico-Los Alamos. The grade of “I” is given only when circumstances beyond the student’s control have prevented completion of the coursework within the official dates of a semester/session. Students should not re-enroll or re-register (for credit) in a course in which an incomplete has been received in order to
resolve the “I” (incomplete) grade. If an instructor requires the student to repeat the class in order to resolve the Incomplete, the student must register for the course on an Audit basis. The tuition and fees for an audited course are the same as for credit courses.

Grade changes to Incomplete grades must be received no later than one year (twelve months) from the published end date of the term in which the grade was assigned. Incomplete grades not resolved within the time frame stated in this policy are automatically converted to an F (Failure) grade.

Students who resolve Incompletes in the term of graduation must have the process completed (including the reporting of the grade to the Records and Registration Office, before the start of the new semester). Students are responsible for informing instructors that they are graduating and the grade(s) must be reported by the appropriate deadline. Failure to complete the process as described could result in the postponement of graduation until the following term.

The instructor of record reports the final grade for the course in which the Incomplete was assigned to the Records and Registration Office. Graduate students should consult the section on the Graduate Program section of this Catalog related to this policy.

**Extension of Incomplete**

A student may apply for an extension of the time allowed to complete the required course work removing the “I” grade. The request for extension may be submitted to the Student Services Office. A student who re-enrolls in residence may be granted a one-semester extension. If an extension is granted, it is the student’s responsibility to ensure the I grade is removed by the date indicated. Graduate students are required to obtain the additional signature of the Dean of Graduate Studies. The Extension of Incomplete form must be submitted no later than the last day of the term.

**Repetition of a Course**

A student may repeat any course but will receive credit only once unless otherwise noted in this Catalog. ALL ATTEMPTS and ALL GRADES are computed in the student’s grade point average. A grade replacement policy is available for repeated course work as described below.

**Grade Replacement Policy**

The course repeat policy was revised by the Faculty Senate to include a grade replacement option effective Spring 1991. Under this policy only undergraduate students may repeat a course for a higher grade and have the lower grade removed from the grade point average. This revision is an option for students who meet the criteria outlined below. Repeated courses for students who do not meet the criteria or who choose not to make use of the option automatically fall under the existing policy as described under “Repetition of a Course."

The following outlines the procedure for the implementation of this course repeat (grade replacement) option.

* NO EXCEPTIONS WILL BE MADE TO THIS POLICY.

The Grade Replacement Policy is effective as of Spring 1991 and affects only the University of New Mexico coursework from Spring 1991 forward. This means that the first attempt in a course cannot have been prior to Spring semester 1991. The policy is not retroactive to any semester prior to Spring 1991. NOTE: A student who fails a course at the University of New Mexico and repeats the same course with a grade of “C” or better at another college or university may have the credit accepted for transfer, but the grade received at the University of New Mexico will continue to be computed in the grade point average.
Students in undergraduate status are eligible to use this policy, and only coursework that applies to an undergraduate degree is considered for a grade replacement.

A repeated course must result in an improved grade in order to replace the other grade (e.g., a “D” cannot replace a “D”). The higher grade removes the lower grade from the grade point average and earned credit hours. Grades of “CR”, “NC”, “PR”, “AUD”, “WP”, and “W” are not replaceable grades because they do not affect the grade point average.

The process is not automatic. Students must initiate the process by completing the online form at https://registrar.unm.edu. The course numbers and titles must be identical, except where equivalencies or a change has been noted in the University of New Mexico Catalog. Substitute courses are not acceptable. Forms are accepted after the second attempt in the course has been completed.

A grade replacement may be applied only to 12 hours of repeated course work. Only one grade replacement is allowed for each course, regardless of the number of times the course has been repeated.

Once a grade replacement has been approved, the process cannot be reversed or changed.

No grade may be replaced after a degree has been awarded.

All grades remain on the record. An “E” appears on the transcript next to the course that has been replaced.

Students registering for a late starting course cannot use the Grade Replacement Policy to replace a grade within that same semester.

NOTE: This policy applies only to courses taken and repeated at the University of New Mexico or one of its branches.

**Change of Grade**

The instructor of a course is responsible for any grade reported. Once a grade has been reported, the instructor may change it by using the Instructor Initiated Grade Change and Incomplete Removal process through LoboWeb. Only the instructor who issued the original grade (instructor of record) may submit a change. Grade changes submitted more than 30 days after end of semester are reported to the offering College Dean. Any change in grade must be reported within 12 months after the original grade was issued and prior to graduation. Grade changes may be referred to the Admissions and Registration Committee of the Faculty Senate for approval.

**Grade Petition Procedure**

A student seeking retroactive withdrawal, enrollment, or a grade option change; or further academic record changes involving exceptions to the rules governing registration and academic records, may submit petitions to the UNM-Los Alamos Student Services Department. This petition process does not cover disputes involving academic judgment (Refer to the UNM Pathfinder, “Student Grievance Procedure,” Article 2, Academic Disputes).

The petition must state the nature of the request, specify the semester involved, the course and section number, the student’s name, identification number, mailing address and telephone number. It must include documentation of extenuating circumstances, such as medical, family or employment needs. The petition must be typed and signed.

A student may only petition grades up to one year after an instructor and dean grade change form can be utilized to
change a grade. (Effective as of April 2005 as approved by Faculty Senate Operations Committee.) This means no grade change can be petitioned after two years in which the course(s) was/were taken.

Upon receipt of student’s petition, the instructor(s) involved is contacted for a statement concerning the request.

The petition (along with instructor comments) is forwarded to the Grade Petition Subcommittee of the Faculty Senate Admission and Records Committee for review and decision. If the petition is approved, appropriate modifications are made to the student record.

The student is notified in writing of the outcome of the petition. The decision of the subcommittee is final.

The student is responsible for tuition and fees incurred.

**Academic Renewal Policy**

Academic Renewal applies to students seeking undergraduate degrees who have been readmitted to UNM- Los Alamos after an absence of five years or more. The procedure allows a currently enrolled student to request his/her academic record be reviewed for the purpose of evaluating previously earned UNM credits and recalculating the student’s grade point average from the point of readmission. The student may obtain a petition from the Student Services Office, Building 1. If all criteria are satisfied, the petition will be approved, and the academic record appropriately noted.

* NO EXCEPTIONS ARE MADE TO THIS POLICY.

**Academic Renewal Guidelines**

Note: Non-degree, second undergraduate degree, and graduate students are not eligible for Academic Renewal.

Academic Renewal may be applied only once and is not reversible.

An absence of five or more years must have elapsed between readmission and the last enrollment at UNM.

The student must be currently enrolled in an undergraduate degree program. Additionally, college entrance requirements such as minimum hours and grade point average must still be met after Academic Renewal has been applied.

After readmission to UNM, at least 12 credit hours, but no more than 36 credit hours, must be completed in good standing (2.00 GPA or better) before Academic Renewal can be applied.

Note: If the degree-granting unit has placed the student on probationary status, it is not automatically changed by Academic Renewal.

All graduation requirements must be satisfied after Academic Renewal (i.e., minimum earned credit, residence credit requirement, cumulative grade point average, etc.).
NOTE: Credit earned prior to Academic Renewal will not count toward satisfying the residence credit requirements.

All courses taken prior to Academic Renewal will remain unaltered on the record. An appropriate notation will be added to the record to indicate Academic Renewal. Courses with a grade of “C” or “CR” or better taken prior to Academic Renewal will be carried forward as earned credits. Acceptability of these credits towards a degree will be determined by the degree-granting unit.

Courses with a grade of “C-” or below taken prior to Academic Renewal will be noted and will not count for earned credits or for satisfying any graduation requirements.

Academic Renewal, when applied, will be effective as of the date of the readmission following the five-year absence.

The cumulative grade point average after Academic Renewal will be calculated based on courses taken since the readmission following the five-year absence.

Classroom Conduct

The instructor is responsible for classroom conduct, behavior, and discipline. Any action that would disrupt or obstruct an academic activity is prohibited. The instructor may refer situations involving classroom misconduct to the Dean of Instruction or Director of Student Affairs for additional action under the “Student Code of Conduct” as published in The Pathfinder–UNM Student Handbook.

Use of classrooms or other facilities during scheduled activities is limited to enrolled students and University personnel. Use of these facilities during non-scheduled periods should be arranged with the appropriate department or other division of the University. Eating, and drinking are prohibited in all classrooms and teaching laboratories, including seminars, unless permitted by the instructor.

Smoking and vaping are prohibited on UNM-LA property and in all UNM-LA buildings.

Dishonesty in Academic Matters

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in coursework may receive a reduced or failing grade for the work in question and/or for the course.

Academic dishonesty includes, but is not limited to, the following: dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; and misrepresenting academic or professional qualifications within or outside the University.

Misrepresentation

Non-disclosure or misrepresentation in filling out applications or other University records will make a student liable for disciplinary action, including possible dismissal from the University.

Attendance

Policies regarding student attendance at class meetings are set by each instructor. Students should not assume that non-attendance will lead to being dropped from class. It is the student’s responsibility to initiate drops or complete withdrawals. UNM-Los Alamos makes reasonable accommodations for religious observances and national origin and heritage practices of the student.

Absences
The Student Services Office, as a service to faculty and students, will send absence notifications to the respective faculty member should an absence be longer than five (5) days. This service will only be used when an absence is for a family/student medical issue, death of a family member, military leave, or a university-sponsored activity. However, when requested by a faculty member, this office may assist in verifying absences that are five days or fewer on a case-by-case basis, should this be requested by a faculty member. This office will encourage the student to speak directly with the faculty member to work out absences that are fewer than six days. The absence notification process is only meant as a notification and not meant to excuse the absence. Excusing an absence is entirely up to the respective faculty member of the course. It is the student’s responsibility to contact the Student Services Office about any absences and provide appropriate documentation when possible.

**Dismissal**

Students are subject to dismissal from a college or a degree program based on minimum requirements set by that college's core program. Please refer to each college section in the UNM Catalog and the program section of this catalog for specific requirements. Dismissal from a college or degree program is not the same as suspension but may preclude the student from enrolling at the University.

**Probation**

Probationary status serves as a warning to students that they are no longer in good academic standing and that they may be suspended. Undergraduate students who have 30 or fewer attempted hours must have a cumulative grade point average of at least 1.70 to be in good standing. Thereafter, the cumulative grade point average to remain in good standing is at least a 2.00. Undergraduate students are placed on probation at the end of any semester (or summer session) for which their cumulative grade point average falls below these minimum requirements. Special requirements outlined in an individual probation contract may be placed on students who are on probation. Failure to complete the contract and/or improve cumulative grade point average will result in academic suspension.

**Degree-Granting Programs and Non-degree Status**

Students in degree-granting programs or in non-degree status may be placed on academic probation at the end of any semester if they fail to meet the minimum cumulative grade point average required to remain in good standing in their program. The minimum grade point average is at least a 2.00 but it is higher in some programs. Students must familiarize themselves with the academic regulations of their program.

**Suspension**

Students on suspension may not enroll for classes at UNM–Los Alamos until their suspension period has been completed.

**Degree-Granting Programs and Non-Degree Status**

Students may be suspended after a semester on probation if their cumulative grade point average remains below the minimum required to be in good standing in their college.

**Suspension Period**

Students suspended for the first time may not enroll for classes at the University of New Mexico–Los Alamos for a period of one semester from the date of the suspension. Students suspended for the second time may not enroll for classes for a period of one academic year from the date of the suspension. Students suspended for the third time may not enroll for classes for a period of five academic years from the date of the suspension.

NOTE: Summer sessions are counted with the following fall semester for purposes of this policy; e.g., a student suspended at the end of a spring semester may not attend either the following summer session or fall semester.

Students absent from the University for a year or more, for suspension or any other reason, must reapply for admission to the University. Students who are accepted for readmission after suspension will be readmitted on probation in the accepting college. Student Services advisors may specify the number of hours for which a student may enroll following a suspension. They may also require students to drop hours or courses that seem beyond their
Attendance at another institution during suspension must be indicated on the student’s application for readmission, and an official transcript must be sent to the Student Services Office as part of the reapplication.

**Campus Information**

**Accreditation**

As a Branch College of the University of New Mexico, UNM–Los Alamos is fully accredited by The Higher Learning Commission.

**Student Outcomes Assessment**

Student Outcomes Assessment is an essential measure of the institution’s effectiveness in achieving its goals as outlined in the UNM–Los Alamos Mission Statement. It is an ongoing process intended to measure student academic achievement and adjust and adopt courses and programs as needed. Faculty have the primary ownership and responsibility for the development, implementation, and monitoring as part of the College Assessment Review Committee (CARC). Specific competencies at the course/program level and the assessment tools used to measure identified competencies are continuously being developed and continuously being implemented. See the current report on the [UNM Los Alamos Assessment website](#).

**History of UNM–Los Alamos**

The University of New Mexico began its presence in Los Alamos in 1956 with the establishment of the UNM–Los Alamos Center for Graduate Studies. It has a distinguished history of offering graduate degrees in scientific, engineering, management, and health-related fields. The first significant UNM undergraduate offering in Los Alamos began with the establishment of the University of New Mexico Residence Center in Los Alamos in the fall of 1970. In 1973, the University of New Mexico Northern New Mexico Branch College came into existence, with Los Alamos as one of its campuses. In 1977, as a result of legislative action, the UNM Northern Branch College was absorbed into Northern New Mexico Community College (NMMCC).

In 1980, after a local referendum and Board of Educational Finance and legislative approval, the Los Alamos Branch Community College Campus of the University of New Mexico was founded. It began operations on July 1, 1980, in the Little Valley School on Orange Street. The new Director assumed his duties at that time, and several key NNMCC employees were transferred to the UNM–Los Alamos Branch College, which subsequently assumed the informal title of UNM–Los Alamos.

In October 1980, the campus moved from the Little Valley School to its present site at 4000 University Drive. In January 1981, the staff of UNM–Los Alamos assumed, under a contractual arrangement, the daily operations of the UNM–Los Alamos Center for Graduate Studies from the Training Office of the Los Alamos National Laboratory (LANL).

The Director of the Graduate Center moved his office to UNM–Los Alamos (the graduate studies were gradually reabsorbed by LANL during the 2000s). During 1982-1983, the facilities were remodeled and expanded and the new UNM–Los Alamos campus was dedicated by then-Governor of New Mexico, Toney Anaya, on January 6, 1984. The campus facilities were further expanded in 1987 to include a fifth classroom building.

During 1988-89, an institutional self-study was conducted and an accreditation visit took place in May 1989 as part of the University of New Mexico decennial accreditation review. In 1988, the Los Alamos Public School Board approved additional space in the Mesa Complex for use by UNM–Los Alamos. In 1996, an extension housing the Learning Center, the Tutorial Center, and the Adult Basic Education Program was added to the administration building. Additional classroom, laboratory, and office space was obtained in 1997 by negotiation with Los Alamos Public Schools. In 2000 the expanded and renovated Student Center building was opened. It includes a Student
Center with a food service area, classrooms, media room, and lecture hall. Business Services support areas including cashing, accounting, marketing, and facility services are located in the lower level of this building. Additionally, a Facilities Services building, has been added along with a remodel of existing space to create a new lecture hall and new computer labs.

Location

Los Alamos, home of the University of New Mexico–Los Alamos campus, is a community of approximately 13,000. The town is located on the piñon, juniper, and ponderosa-covered red mesas of the Pajarito Plateau at an elevation of 7,300 feet. The Jemez Mountains provide a backdrop for the community that looks east across the Rio Grande Valley to the majestic Sangre de Cristo Mountains.

The setting is ideal for the outdoor enthusiast. There are nearby locations for downhill and cross-country skiing and ice skating in the winter. Summer activities include hiking, picnicking, horseback riding, backpacking, and camping, fishing, and river rafting. In April 1988, the Larry R. Walkup Aquatic Center opened its doors to the citizens of Los Alamos and surrounding area. This facility is open to the public and houses an Olympic-sized swimming pool. There are year-round musical and theatrical events in Los Alamos and numerous other cultural attractions to choose from in Santa Fe, 30 miles away, and in Albuquerque, a 90-mile drive from Los Alamos.

There are also year-round events at the nearby pueblos of San Ildefonso, Santa Clara, Ohkay Owingeh, Pojoaque, Tesuque, Nambe, and Jemez. Located within 15 miles of Los Alamos is the world-famous Bandelier National Monument. The park, home of Native American cliff dwellings as well as many other ancient treasures, is open year round. Other nationally-recognized sites include the Valles Caldera National Preserve and the Manhattan Project National Historical Park. Students at UNM–Los Alamos are fortunate to be able to draw on the rich tri-cultural heritage of the area and to explore all the area has to offer in terms of history, geology, and archaeology. In addition, UNM–Los Alamos students can take advantage of the outstanding collections of Mesa Public Library and the J. Robert Oppenheimer Study Center at Los Alamos National Laboratory, within two miles of the UNM–Los Alamos campus.

Faculty

While the faculty of UNM–Los Alamos is predominately part-time, many enjoy international reputations in their fields, and all are very well-qualified. A substantial number hold PhDs in their fields. About one-third of the UNM–Los Alamos faculty consists of a core of continuing faculty. Core Faculty members, in addition to teaching, hold regular office hours, provide academic advisement, and participate in a variety of committee work and special projects. Adjunct Faculty are encouraged, but not required, to participate in advisement, hold office hours, and attend various faculty development workshops throughout the academic year. Division Chairs for Fine Arts, Humanities, Social Sciences; Math and Engineering; and Sciences and Applied Sciences are responsible for the coordination of faculty and instructional issues within each curriculum area, including monitoring the quality of teaching through classroom visits. An Associate Dean and Dean of Instruction are responsible for overseeing all instruction on the campus.

Operating Agreement and Funding

UNM–Los Alamos was established under the provisions of the Branch College Act, New Mexico Statutes of 1978, implemented in an operating agreement between the Los Alamos Public School Board and the Regents of the University of New Mexico. The UNM–Los Alamos Advisory Board serves as the advisory board to the UNM Board of Regents. This Advisory Board approves an annual budget for UNM–Los Alamos and calls elections for local tax levies and capital outlay general obligation bonds for UNM–Los Alamos. The University of New Mexico retains administrative and academic oversight of UNM–Los Alamos, and the Chancellor of UNM–Los Alamos reports to the Provost of the University. Funding for UNM–Los Alamos comes directly from state appropriations, local tax levies, grants, and tuition and fees paid by students.

Facilities

The UNM–Los Alamos campus consists of 77,689 square feet of leased and owned buildings. The campus includes eight buildings that house classrooms, administrative offices, student services, a library, facilities services, laboratories, lecture halls, and community meeting and student activity space. The facilities at UNM–Los Alamos include computer, general science, and electronics laboratories; art studios; general classrooms; and a machine shop/welding space.
General Information

Role and Function of UNM Branch Colleges

The University of New Mexico has established branch colleges to serve the citizens of New Mexico more fully and to provide the highest quality education throughout the state for students in different locations pursuing postsecondary education. Branch colleges respond specifically to the unique needs and multicultural backgrounds of the citizens in the respective communities they serve by offering transfer programs that prepare students for upper-division entry into colleges and universities. In addition, the branches offer associate degree and certificate programs.

Branch colleges use resources in the community as well as make educational resources available. Therefore, they also function as an integral part of the community.

The five-member elected UNM–Los Alamos Advisory Board serves as an advisory body to the College and to the University of New Mexico Board of Regents. It approves the annual budget and can call for elections. UNM–Los Alamos continues to benefit from a strong, supportive, and dedicated Advisory Board which is well informed, responsible, and committed to the College and its future. The branch colleges of the University of New Mexico are considered fully integrated component colleges. They are committed to serving the needs of their respective communities as comprehensive community colleges offering a variety of preparatory academic, career, and community service programs. The branch colleges pledge themselves to protect the quality and integrity of all academic curricula. UNM–Albuquerque campus pledges its resources, whenever appropriate and practical, to the fulfillment of the varied missions of the branches. The Provost/Vice President for Academic Affairs at the University of New Mexico has responsibility for the operation of the branch colleges. From a clear understanding of its role and function, UNM–Los Alamos has developed the following mission statement.

Mission, Vision, Values, and Strategic Goals

Mission

Preparation for Transfer...Pathways for Careers... Passion for Lifelong Learning!

UNM–LA is an innovative, rigorous, and affordable comprehensive branch community college that provides foundations for transfer, leading-edge career programs, and lifelong learning opportunities. We strive to prepare students who are capable, competent, and successful through high-quality instruction and personalized attention.

Vision

UNM–LA is recognized as a premier education provider for Los Alamos and the region by offering unique forward-looking learning opportunities spanning the sciences and the arts and building on unique local and regional assets.

We aspire to a future in which we are known for the following:

Commitment to Excellence: We are respected for excellence in all academic endeavors, offering traditional and innovative programs.
Success through Collaboration: We are seen as a committed partner supporting education and regional development.
Engagement with Community: We build on the history, geography, and cultures of our region for an improved quality of life for all.

Values

The values that guide UNM–LA are: Excellence, Integrity, Diversity, Respect, Collaboration, Innovation, Creativity, and Accessibility.

Strategic Goals

The UNM–LA strategic plan is centered on the following 6 goals:

1. Develop and maintain strong ties with constituents and stakeholders, leading to greater participation in higher education within our region and resulting in economic development.
Communicate and demonstrate how our mission, vision, and values are ensuring excellence in UNM-LA programs, services, and opportunities to underscore our position as a premier educational institution.

Staff UNM-LA sufficiently to sustain high instructional standards, enable realistic workloads in providing support services, and create an environment that encourages excellence.

Increase enrollment for the purpose of creating a vibrant campus community and sustainable programs and services.

Create and manage new revenue streams to complement state funding, stabilize support for recurring costs, and enable investments in our educational infrastructure.

Review and revise the strategic and implementation plan each quarter to ensure they serve as the framework for decision-making and continue to serve the UNM-LA community.

Publications

Class Schedule

The Class Schedule is an official publication of the University. The publication includes course offerings, dates, times, and places. The schedule can be found online at https://losalamos.unm.edu/academics/class-schedule.html.

UNM-LA Website

The campus website contains the most current information about UNM-LA, including updated class schedules, the UNM-Los Alamos Academic Catalog, and information about campus events and other news. The website can be found at losalamos.unm.edu.

UNM Pathfinder: The Student Handbook

The UNM Pathfinder is the most comprehensive student handbook of student services at the University of New Mexico.

The UNM Pathfinder gives general information, including office locations and telephone numbers, about academic support and cultural programs, athletics and recreation, student organizations, entertainment, financial services, food, health and medical assistance, housing, the University of New Mexico policies affecting students, commuting and parking and other services and programs. Visit the UNM Pathfinder website for the current version.

Governing Bodies, Administration, Staff, and Continuing Faculty

University Administration

The Regents of The University

Sandra K. Begay
Douglas M. Brown
Jack Fortner
Randy Ko
William H. Payne
Kimberly Sanchez Rael
Robert L. Schwartz

Ex-Officio Members

The Honorable Michelle Lujan Grisham, J.D., Governor of New Mexico
Stephanie Rodriguez, M.C.R.P., Acting Secretary of Higher Education
Ryan Stewart, Ed.L.D., Secretary of Public Education

University Officers

Garnett S. Stokes, Ph.D., President
UNM - Los Alamos Advisory Board

Stephen Boerigter, ScD, (Chairperson) Term: 2020-2024
Laura Burrows (Member) Term: 2020-2024
Chuck McCullough, PhD (Member) Term: 2022-2025
Alissa Grissom, MS, (Secretary) Term: 2022-2025
David Hansen Term: 2022-2025

Chancellor

Mike Holtzclaw, PhD

Business Services

Bob Harmon, Director of Business Operations

Student Services

Kathryn Vigil, Director of Student Affairs

Academic Affairs

Paul C. Allen, PhD, Dean of Instruction
Irina Alvestad, PhD, Associate Dean of Instruction
Ivette Jimenez, Assistant to the Dean

Academic Departments

Science & Applied Sciences

Rick Acedo, BS, Lecturer I EMT
Cindy Budge, MS Lecturer II Biology

Fine Arts, Humanities, Social Sciences

Peninah Wolpo, PhD, Lecturer III Classics
Maryjane Giesler, MA, Lecturer II English

Social Sciences

Sharon Hurley, PhD, Associate Professor Business
Cynthia Rooney, PhD, Professor of Accounting

Mathematics & Engineering

Irina Alvestad, PhD, Division Chair
Joan Lucas, Ph.D., Lecturer III Computer Science
Min Ro, PhD, Lecturer III Mathematics
Mario Velardi, PhD, Lecturer III Joint Appointee with LANL
Student Information & Policies

Academic Advisement

Each semester, advisement holds are placed on the accounts of all students in degree and certificate programs.

During the semester advisement meetings, advisors lift the holds, and students are then able to register for classes. Students are strongly encouraged to meet with an advisor early and before registration opens for the next term. The purpose of the meeting is to review program requirements, course scheduling, and to make sure that the student is on the best track to graduate or transfer. In addition, the advisor can provide support and resources in order to help the student be successful.

Students can schedule an advising appointment online through LoboAchieve, by contacting Student Services in Building 1, or calling (505) 662-5919.

Academic Calendar

Please visit the UNM Los Alamos Academic Calendar to view the current academic calendar.

General Policies

Applicability

These policies apply to recruitment, admission, extracurricular activities, housing, facilities, access to course offerings, counseling and testing, financial assistance, employment, health and insurance services, and athletic programs for students. These policies also apply to the recruitment, hiring, training, and promotion of University employees (faculty, staff, and students) and to all other terms and conditions of employment. The University strives to establish procedures which assure equal treatment and access to all programs, facilities, and services.

Anti-Harassment

Per University Policy 2720: Prohibited Discrimination and Equal Opportunity, it is the policy of the institution to prevent and eliminate unlawful harassment in employment and educational settings. The University prohibits harassment of employees and students on the basis of race/ethnicity, national origin, ancestry, serious medical condition, physical or mental disability, pregnancy, age, religion, sex, sexual orientation, gender identity, spousal affiliation, veteran status, genetic information, or other characteristics protected by applicable law. The University makes special efforts to eliminate both overt and subtle forms of sexual harassment, per University Policy 2740: Sexual Misconduct.

Non-Discrimination

The University of New Mexico, as an equal opportunity/affirmative action employer and educator, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University of New Mexico is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race/ethnicity, national origin, ancestry, serious medical condition, physical or mental disability, pregnancy, age, religion, sex, sexual orientation, gender identity, spousal affiliation, veteran status, genetic information, or other characteristics protected by applicable law in employment, educational programs and activities, and admissions. Inquiries or complaints may be addressed to the Office of Equal Opportunity whose Director serves as the 504/ADA Coordinator and which also houses the Title IX Coordinator.

Sexual Misconduct and Title IX Compliance
Title IX of the Education Amendments of 1972 (Title IX) prohibits discrimination based on gender in educational programs which receive federal financial assistance. Areas of the institution where Title IX may have application include athletics, student recruitment and admissions, financial aid, scholarships, course offerings and access, employment, and housing and residential services. Title IX also protects students and employees, both male and female, from unlawful sexual harassment in school programs and activities. University Policy 2740: Sexual Misconduct outlines what constitutes sexual harassment and/or sexual misconduct at UNM. The Office of Equal Opportunity houses the Title IX Coordinator, who oversees the University’s compliance with Title IX.

Equal Education Opportunity

University policy, state, and federal law and regulations forbid unlawful discrimination on the basis of race/ethnicity, national origin, ancestry, serious medical condition, physical or mental disability, pregnancy, age, religion, sex, sexual orientation, gender identity, spousal affiliation, veteran status, genetic information, or other characteristics protected by applicable law in recruiting, hiring, training, promoting, and all other terms and conditions of employment. The University of New Mexico commits itself to a program of affirmative action to increase access by, and participation of, traditionally underrepresented groups in the University’s work force.

ADA Compliance and Reasonable Accommodation

The University of New Mexico is committed to the recognition and proactive pursuit of compliance with the Americans with Disabilities Act of 1990 (ADA). The University makes reasonable accommodations to self-identified employees and students and prospective employees and students with disabilities/serious medical conditions unless such accommodations have the end result of fundamentally altering a program or service or placing an undue burden on the operation of the University as defined by policy. Qualified students with disabilities should contact Student Services for information regarding accommodations in the academic and/or employment setting. If you require an auxiliary aide and/or service, please contact Student Services at 505-662-5919. To comply with the ADA and the Rehabilitation Act of 1973, UNM provides the information in this publication in alternative formats. To request an alternate format, please contact Accessibility Resource Center at (505) 277-3506, arcsrvs@unm.edu, or visit Mesa Vista Hall 2021, Albuquerque, New Mexico 87131-2101.

Reasonable Accommodation for Religious Practices

The University of New Mexico makes reasonable accommodations for religious practices of employees and students and for prospective employees and students unless such accommodations have the end result of fundamentally altering a program or service or placing an undue burden on the operation of the University as defined by policy.

Pregnancy Accommodation

The University of New Mexico is committed to protecting the rights of expecting parents and makes accommodation for pregnancy, lactation, and conditions related to pregnancy for employees and students and prospective employees and students. The University makes accommodation unless such accommodations have the end result of fundamentally altering a program or service or placing an undue burden on the operation of the University as defined by policy.

Reporting

If you believe you have been discriminated against and/or harassed on the basis of your race/ethnicity, national origin, ancestry, serious medical condition, physical or mental disability, pregnancy, age, religion, sex, sexual orientation, gender identity, spousal affiliation, veteran status, genetic information, or other characteristics protected by applicable law, you should contact the Office of Equal Opportunity, whose Director serves as the Coordinator for the Americans with Disabilities Act of 1990 (prohibiting discrimination on the basis of disability) and which houses the Title IX Coordinator, for issues regarding Title IX of the Education Amendments Act of 1972 (prohibiting discrimination on the basis of sex in federally funded programs). The Director and Title IX Coordinator can be reached at (505) 277-5251, oeounm@unm.edu, or visit the Office of Equal Opportunity (OEO), 609 Buena Vista NE, Albuquerque, NM 87131.

UNM-Pathfinder

The UNM Pathfinder is the most comprehensive student handbook of student services at the University of New Mexico. It is published annually by the Student Activities Center. The UNM Pathfinder gives general information, including office locations and telephone numbers, about academic support and cultural programs, athletics and recreation, student organizations, entertainment, financial services, food, health and medical assistance, housing,
Graduation Requirements

Associate Degrees

Candidates for associate degrees offered by any of the University of New Mexico’s colleges or branches must meet the following minimum degree requirements and are subject to the following University limitations:

- A minimum of 60 acceptable semester hours must be earned. Technical work (up to the limit specified below) may be included in these 60 hours, upon approval of the appropriate degree-granting program.
- A minimum of 15 semester hours must be earned in residence at the University of New Mexico, exclusive of extension and correspondence credits. The remainder may be acceptable transfer credits earned at fully accredited institutions of higher learning and/or at regionally accredited technical-vocational institutions (see also Transfer Students for transfer credit regulations).
- Of the 60-hour minimum, no more than 9 semester hours may be earned by extension or correspondence.
- The student must have a cumulative grade point average of at least 2.00.
- Courses numbered below 100 may not be used to satisfy any of the above requirements.

Certificates

Undergraduate certificates offered by any of the University of New Mexico’s colleges or branches must meet the following minimum requirements:

- A minimum of 30 acceptable credit hours must be earned. Technical-vocational work (up to the limit specified below) may be included in these 30 credit hours upon approval of the certificate-granting program. Of the 30 credit hours, a minimum of 15 credit hours must be earned in residence at the University of New Mexico.
- Branch campuses may offer technical-vocational certificates of less than 30 credit hours, provided that either:
  - The proposed curriculum fulfills a recognized professional certification: e.g., Certified Nursing Assistant (CNA), Fire Science Officer (IAFC), and other programs; or
  - The proposed curriculum fulfills a specified local workforce need.

Certificates consisting of academic (transferable) coursework require approval of the Office of the Provost and the Faculty Senate. Technical-vocational certificates require approval of the Office of the Provost.

Second Certificate/Associate Degree

A second certificate or a second associate degree will not be granted until a student has earned a minimum of 15 semester hours in residence above the requirements for the first certificate or degree and fulfilled all requirements for the second certificate or degree.

Extension and Independent Study

The University of New Mexico allows credit for independent study, correspondence, and extension courses at the University of New Mexico or through other fully accredited colleges and universities toward degree requirements. Credit for extension and independent study courses completed at institutions not accredited by regional accrediting associations is not accepted for transfer, although a student who has completed such correspondence or extension work in a course comparable to one at the University of New Mexico may establish credit here by special examination.

The hours earned by independent study or extension from accredited institutions other than the University of New Mexico may be counted toward degree requirements, but the grades will not be included in the student’s grade point average (see “Grades,” page 36). Courses taken from other institutions must correspond to those offered at the University of New Mexico. Any graduating student who expects to substitute credits earned by independent study toward fulfillment of degree requirements must have prior approval of his or her program’s Department Chair.
Cooperative Education

Cooperative Education Credit provides UNM-Los Alamos students in the final semester of their degree program to work in a field related to their major. The work should be a capstone experience that allows students to apply the theories learned in the classroom to real world experiences and earn course credit. Students should contact the Division Chair of their degree program via the Office of Instruction located in Building 6, 505-661-4693, for more information.

Catalog Requirements

Undergraduate students may graduate under the requirements in the catalog issued in effect at the time of their admission into the college or school from which they are seeking a degree. Students may also request to follow the requirements of a more recent catalog, as long as the program name has not changed. If students transfer from one degree-granting college or program to another within the University, they must comply with the catalog requirements in effect at the time of their transfer.

Notwithstanding the above, the University of New Mexico- Los Alamos reserves the right to make changes in the curricula and degree requirements as deemed necessary, with the changes being applicable to currently enrolled students.

Readmission and Catalog

Students who interrupt their degree program and are not enrolled for three or more consecutive semesters (including summer), must comply with catalog requirements in effect at the time of re-enrollment.

Responsibility for Requirements

Students are responsible for knowing the rules and regulations concerning graduation requirements and for registering in the courses necessary to meet them.

Advisement at the specific department/program level is strongly recommended to assure timely graduation. Students who take more than 10 years to graduate from the date of their original admission must conform to the catalog in effect in the semester in which they intend to graduate.

Commencement

Commencement exercises at UNM-Los Alamos are held once per year at the end of the spring semester. Students whose requirements were completed and degrees conferred in the preceding summer session, fall, or spring semester are invited to attend and encouraged to participate.

Dean’s List

UNM-Los Alamos students who demonstrate academic excellence are honored by inclusion in the Dean’s List. Students are selected based on the following criteria:

- Part-time students (6-11 hours) must complete a minimum of 6 undergraduate credit hours at UNM-LA with a regular grading option in a given semester.
- Full-time students must complete a minimum of 12 undergraduate credit hours at UNM-LA with a regular grading option in a given semester.
- A semester Grade Point Average (GPA) of 3.5 is required.
- No grade lower than a “C” (not “C-“) is acceptable.
- Students in Non-degree or graduate status are ineligible for consideration.
New Student Orientation

New Student Orientation is an exciting event that facilitates students’ successful transition to the UNM–Los Alamos campus. The mandatory orientation includes a campus tour; introductions to faculty, staff, and other new students; information about academic advisement, registration, policies and procedures; and strategies for college success.

Student Services, located in Building 1, 505-662-5919, facilitates New Student Orientation prior to each fall semester. Students who cannot attend in person may participate in NSO Online.

Find the orientation information for each semester on the New Student Orientation website.

Records

The Student Services Office is responsible for the maintenance of the educational records at UNM–Los Alamos. The following information refers to some of the policies and procedures for educational records.

NOTE: proper photo identification (driver’s license, Lobo ID Card, passport or other state-issued identification) is required for all in-person transactions.

Use of Social Security Numbers

The Social Security Number (SSN) is not used as the primary University identification number. UNM is required to collect SSNs in order to provide full access to services such as financial aid, to ensure an accurate academic record, and for record-keeping purposes. The University protects the confidentiality of SSNs as required by law.

UNM Lobo ID Card

Each UNM–Los Alamos student will be issued an official UNM Lobo ID Card. The card will contain a non-transferable photograph, the student’s name, and the student’s UNM ID number. At the time of request for a Lobo ID Card, the student must present proof of identification, including at least one other identification card with picture. Students will be required to present the Lobo ID Card to Student Services when requesting transcripts or any other services containing personal information, conducting any financial transactions with the Cashier/Bursar, and checking out materials from the UNM–Los Alamos Library. The ID card initially issued to the student will be at no cost to the student. A first replacement will cost the student $15.00, a second or subsequent replacement will cost the student $25.00. Please ask in the library to obtain a Lobo ID Card.

Change of Name

Students who need to process a change of name for their academic records must bring appropriate documentation to the Student Services Office. The appropriate documentation includes proper photo identification (valid driver’s license, Military or Federal ID, including Permanent Resident and Employment Authorization cards, passport, or other state-issued identification) and the social security card showing the new name. No other type of documentation will be accepted.

Change of Address or Phone Number
Current students who need to process a change of address or phone number for their academic records may do so using LoboWeb, Personal Information, Personal Information View/Update.

**Transcripts - Official**

Both current and former students may request official transcripts online at the Office of the Registrar Web site.

The University of New Mexico has retained Parchment to accept transcript orders online. The PDF transcript that is produced using this service contains the identical information as the printed transcript. Parchment has been granted the authority to deliver all such electronic transcript requests on behalf of UNM and respond to any inquiries regarding the transactions. If you attended The University of New Mexico prior to 1983 or if you attended the University of Albuquerque, your transcript cannot be sent electronically in PDF format at this time. You should still order your transcript using Parchment.

Official e-transcripts and paper transcripts for mailing are processed by Parchment 24/7 and may be requested through Parchment at this link: [https://www.parchment.com/u/registration/34158/institution#tpo](https://www.parchment.com/u/registration/34158/institution#tpo). Official transcripts are printed on security paper which will indicate “Copy” when faxed or copied. Electronic transcript versions cannot be photocopied, printed or forwarded and remain official.

Requesting a transcript outside of the Parchment service adds processing time but may be done in exceptional circumstances by sending a request to:

**Office of the Registrar**

**ATTN: Transcript Request**

**MSC11 6325**

**1 University of New Mexico**

**Albuquerque, NM 87131-0001**

**Fax: (505) 277-6809**

Mailed requests must include the following information:

- Student signature
- Date of request
- Current/previous name(s)
- Social Security Number/UNM ID
- Date of birth
- Dates of attendance
- Student email address (for order status updates)
- Current address
- Daytime telephone number
- Address to which the transcript is to be sent
- For official transcripts only: check or money order
- Students may request and/or pick up transcripts at the Student Support and Services Center. Proper photo identification is required.

**Transcripts - Unofficial**

The Student Services Office of UNM–LA issues unofficial and advisement copies of the University of New Mexico student records. Students may request an unofficial transcript of their academic record in Building 1, by mail, or by fax. The address is UNM–Los Alamos Student Services, 4000 University Drive, Los Alamos, NM 87544. The fax number is (505) 661-4698.
The following information is needed to process a request by mail or fax: student name (all names used while at the University of New Mexico), UNM ID number, date of birth, and date of request. The student’s signature is required to authorize the release of any transcript. Proper photo identification (driver’s license, Lobo ID Card, passport, or other state-issued identification) is required to obtain an unofficial transcript in person.

Transcripts from other institutions that are sent to the University of New Mexico for purposes of admission are not copied or returned to the student.

E-mail requests cannot be honored. Another person may not request or pick up a student’s transcripts without specific, written authorization from that student. The University of New Mexico does not provide copies of test scores or transcripts of academic work from other institutions. The original institution must be contacted for such information.

**Transcript Holds**

Transcripts may be held for financial and non-financial reasons. No official transcripts will be released until the student’s outstanding obligations to the University have been paid or until satisfactory arrangements have been made.

**Grade Notification**

Semester grades are available on LoboWeb from the Registration & Records menu. If a hard copy is required, it can be obtained from Student Services, Building 1.

Non-Resident Students

The student is responsible for obtaining the correct residency classification prior to the end of the second week of the semester. A student not classified as a New Mexico resident for tuition purposes is charged tuition as a non-resident. Refer to the Residency section below.

**Enrollment Certification**

Enrollment Certifications are requested by individuals, institutions or organizations for information related to a student’s past or current enrollment. Information requested normally takes the form of validation of confirmed degrees, dates of attendance or whether a student is enrolled full- or part-time. Enrollment Certificates display the student's legal first name.

The National Student Clearinghouse is the University of New Mexico’s authorized agent for providing enrollment and degree verifications. If an employer or background-screening firm requests such information, refer them to the National Student Clearinghouse at (703) 742-4200 or the National Student Clearinghouse Web site.

Verification forms from financial lenders should be sent directly to the National Student Clearinghouse for fastest response.
The University of New Mexico will produce an Enrollment Certificate validating a student’s status for the current semester, not earlier than January 1 for the Spring semester and not earlier than August 1 for the Fall semester. If a student wishes to have his/her entire academic history certified, or semesters not covered by the certification process, the student must request a transcript. The University of New Mexico does not certify expected graduation date. Military dependents requesting exception to this policy must submit a written request explaining the need for a Pre-Registration Certificate, provide a copy of their current military ID, and be enrolled for a minimum of 12 credit hours on the immediately-upcoming semester.

The certification document can be mailed, faxed, or emailed on request, or it may be picked up with proper photo identification (valid driver’s license, military ID, passport or other state- or federally-issued picture identification, or LoboCard.). The Enrollment Certificate replaces the institutionally specific forms. The Course Load Guidelines above are used to determine enrollment status for financial aid eligibility and loan deferments. Graduate students with an assistantship must submit a copy of their contract with their verification request.

Current students may also request an automated enrollment certificate through LoboWeb, which is received through their @unm.edu email account.

Access to and Confidentiality of Student Records

Family Educational Rights and Privacy Act (FERPA) November 19, 1974

Student Record Policy

Approved by the University President 4/93. Amended 3/20/96.

Introduction

Under the Family Educational Rights and Privacy Act of 1974 (FERPA), students have the right to inspect and review most education records maintained about them by the University of New Mexico, and, in many cases, decide if a third person can obtain information from them. Nine categories of information, however, are public (or directory information) unless a student asks that some or all of that information be withheld. It is the policy of the University to comply fully and fairly with the provisions of the Act, Federal Regulations and this policy.

Limitations on Access to Student Records

No one inside or outside the University shall have access to, nor will the contents of students’ education records be disclosed without the written consent of the students except as provided by the Act and Regulations. Exceptions in the Act and Regulations include but are not limited to the following: personnel within the institution determined by the institution to have a legitimate educational interest, officials of other institutions in which students seek to enroll or are enrolled, persons or organizations providing student financial aid, accrediting agencies carrying out their accreditation function, persons in compliance with judicial orders and persons in an emergency when necessary to protect the health or safety of students or other persons.

Students’ Right of Access to Review Their Records

A student has the right to inspect and review all education records about themself except:

- Personal notes (available only to writer or substitute) of University staff and faculty.
- Certain student employment records.
- Counseling records used solely for treatment.
- Certain records of the University Police.
- Parents’ financial records.
- Confidential letters and statements of recommendation placed in the records before January 1, 1975.
Confidential letters and statements of recommendation for admission, employment, or honorary recognition placed in the records after January 1, 1975, which students have waived the right to inspect and review.

Informing Students of Their Rights:

This policy will be published in the UNM Pathfinder or its successor.

Location of Student Records

Student records are not maintained in a central location. Instead, these records are maintained by each office with which a student has contact while enrolled at the University. A partial list of places where educational records are maintained by various University offices is listed below.

- Admissions Office, Director of Admissions, Student
- Support and Services Center
- Career Counseling and Placement, Director, Career Counseling and Placement, University Advisement and Enrichment Center
- Cashiers and Student Accounting, Bursar, John and June Perovich Business Center
- Center College and Department Offices, Academic Dean, or see individual college listing in the course schedule
- Dean of Students Office, Dean of Students, University Advisement and Enrichment Center
- Graduate Studies, Dean, Graduate Studies, Humanities Building
- Housing Services, SRC Commons
- Records and Registration Office, Registrar, Student Support and Services Center
- Student Financial Aid, Director, Student Financial Aid, Student Support and Services Center

Records Excluded from the Definition “Education” or “Student” Records

The following categories of records are not included in the term “education records” or “student records” under the Act:

- Records of instructional, supervisory, administrative and certain educational personnel which are in the sole possession of the maker and are not revealed to any other individual (except a substitute who performs on a temporary basis the duties of the person who made the record).
- Records of the University Police. These records are maintained and created by the University Police Department for the purpose of law enforcement. Their disclosure is subject to rules and regulations of the University Police, consistent with applicable law.
- Records relating to individuals who are employed by the University which are made and maintained in the normal course of business, relate exclusively to individuals in their capacity as employees and are not available for use for any other purpose. NOTE: records of individuals in attendance at the University who are employed as a result of their status as students are education records and as such may be inspected by the student.
- Records that contain only information about a person after that person is no longer a student at the institution, e.g., information gathered on the accomplishments of alumni.

Review Policies and Procedures

Requests to inspect and review records must be made, in writing, to the office that keeps the records. Although it is the University’s policy that requests to inspect records be honored as promptly as possible, the offices have up to 45 days to honor such requests.

Release Policies and Procedures, University Employees and Agents

The University will not disclose personally identifiable information from a student’s education record without the student’s written consent, except when it is permitted by the Act and Regulations. As permitted by the Act and Regulations, information will be disclosed without the student’s consent to University officials with a legitimate
Release to Alleged Victims of Crimes of Violence

The results of any disciplinary proceeding conducted by the University in response to allegations of a crime of violence allegedly committed by a student shall be disclosed upon request to the alleged victim(s) of such crime of violence.

Directory or Public Information Categories

The University, in accordance with the Act, has designated categories of information about students as “directory information” which is public unless a student asks to have all of it withheld. These categories are:

- Name
- Major field of study
- Enrollment Status
- Dates of attendance (matriculation and withdrawal dates)
- Degrees and awards received (type of degree and date granted)
- Participation in officially recognized activities and sports, and weight and height of members of athletic teams.

A student wishing to keep confidential the “directory information” listed above must file a written request with the Office of the Registrar. This request may be submitted in person, by mail or fax. Once a confidential privacy flag has been placed on a student's record the directory/public information will not be released to individuals, companies or third-party entities outside the University of New Mexico. The confidential privacy flag will not automatically be removed upon graduation from the University of New Mexico. If you have requested a confidential privacy flag, your name will not appear in the University of New Mexico Commencement Program.

The removal of the confidential privacy flag may be requested in person and in writing by fax or mail. The address is: Records and Registration Office, MSC11 6325, 1 University of New Mexico, Albuquerque, NM 87131-0001.

The fax number is (505) 277-6809. The following information is needed to process the request by fax or mail: student name, Social Security number and signature.

Requests for Disclosure

University offices will maintain a record of disclosures and requests for disclosure of personally identifiable information from a student’s record except when the request for disclosure is directory information, pursuant to the student’s consent, or is to a school official described in this policy. It is the policy of the University to permit the student to inspect this record of disclosures and requests for disclosure pertaining to his or her records. All disclosures (except for disclosures to the student or disclosures of directory information) shall be made on the condition that the information shall not be further disclosed without the student’s consent.

Right to Challenge Information in Student Records
It is the policy of the University that a student may challenge any information in his or her education records which he or she believes to be inaccurate, misleading or in violation of privacy. This right does not extend to reviewing grades unless the grade assigned by a professor was inaccurately recorded in the records. A student may also insert a statement in the records explaining any such material from his or her point of view. If a student wishes to challenge information in the file, he or she must make a written request for a hearing to the dean, director, or chairperson of the office which maintains the record. In most cases, the decision of the dean, director or chairperson will be final. However, a student may appeal in writing to the Associate Provost or the Vice President for Health Sciences or their designee who will review the decision only if a significant question of policy or compliance with the law appears to be raised by the case.

**Waiver of Rights Not Required**

It is the policy of the University that students are not required to waive their rights under the Act before receiving University services or benefits.

**Assistance with Problems or Questions about Compliance:**

If a student has questions about the provisions of the Act, they contact the Office of the Registrar.

If a student believes that the University has not complied with the Act, they should direct comments concerning this to the Office of the Registrar.

If a student believes that the University has not complied with the Act, written complaints may be filed with the Family Educational Rights and Privacy Act Office (FERPA), U.S. Department of Education, 400 Maryland Avenue, SW., Washington, D.C. 20202-4605, telephone (202) 732-1807.

The Registrar shall either resolve the issue or shall refer it to the appropriate University body for resolution.

Copies of and information about the Rights and Privacy Act are available in the Records and Registration Office, Student Support and Services Center.

**Emergency Contact Service**

The Emergency Contact Service is provided to deliver messages to students for emergency purposes. When an emergency arises, call the Student Services Office at (505) 662-5919. If appropriate, the staff may access the student’s schedule from the database file and determine if it is possible to reach the student in class. A staff member then may initiate contact with the student if necessary.

**Registration Procedures**

The registration process is outlined online on the UNM–Los Alamos website. Under the “Student” tab, click on “Registration and Records.” Links are also available with information about registration errors and registration forms. Find the steps listed on the Registration website.

**Enrollment Limit**

Students may not take more than 18 hours during a semester and 9 hours during the summer session, except with approval from an academic advisor.

**Course Load Guidelines**

**Undergraduates/Non-degree**

**Fall/Spring Semesters**

Full-time: 12 or more credit hours
Changes in Enrollment

Once registered, students may process schedule changes through the drop/add procedures in LoboWeb or by paper forms submitted to Student Services Office during appropriate periods.

Summer Session and Short Courses

Deadlines for processing drops, adds, withdrawals, and grade options for summer and short courses vary according to the length of the course. Consult the Class Schedule for specific dates on the Schedule website.

For 16-week courses, the following rules apply:

Add
Students may add courses or change sections through the second week of the semester.

Drop
A student may drop a course or courses without a grade during the first three weeks of the semester.

Withdrawal from a Course

After the third week, a student may withdraw from a course until the end of the 12th week of the semester and is subject to a grade of “W.” After the 12th week, course withdrawals are only accepted with approval from their instructor or Dean and Student Services. No withdrawals are accepted after the last day of instruction of the semester, prior to final exam week.

NOTE: Faculty are not responsible for dropping students who do not attend. It is the students’ responsibility to check the accuracy of their course schedule. As a consequence, students may earn a failing in a grade in a class they stop attending but did not officially drop.

Change in Grading Option

Changes in grading option (including audit, pass/fail or Credit/No Credit, letter grade, or graduate credit option) in any course may be made through the second week of the semester. It is the student’s responsibility to make certain that they are registered in any course for the proper grading option.

Completion of Courses

Students are responsible for completion of all courses in which they are enrolled at the University. Changes in enrollment, drops, or withdrawals must be officially processed. A student not following proper course or University withdrawal procedures may be given a failing grade and will be responsible for tuition charges associated with the course.

Withdrawal from the University
Students can withdraw from all courses through the end of the 12th week if no holds exist on their account by using LoboWeb. At the beginning of the 13th week, a student who is withdrawing from all courses must have approval from Student Services. Students may contact the Student Services Office, (505) 662-5919, for advisement on withdrawal from all courses.

Students who withdraw during the first three weeks (regular full semester) of classes do not receive a grade notation on their academic records.

University withdrawals initiated after the 3rd week (regular full semester) of classes are subject to a grade of “W.” All withdrawal grades are assigned by the instructor during the regular grading period. The notation on a student’s record is “Withdrew” followed by the date, along with the course name and grade assigned. Grades assigned a “W” are not factored into a student’s GPA calculation.

**Summer Session and Short Courses**

Deadlines for processing withdrawals for summer and short courses vary according to the length of the course. Consult the [Academic Calendar](#) for specific dates.

Students leaving the University during a semester without withdrawing according to this regulation are subject to faculty-assigned grades.

Students are responsible for all outstanding financial obligations when withdrawing.

**Policy on Military Withdrawals**

Under faculty regulations, students who formally withdraw from the University before the end of the 12th week of the semester due to military obligations are entitled to a grade of “W” in each course in which they are enrolled. Military orders or evidence of enlistment must be made available to the UNM–Los Alamos Registrar. A student who withdraws due to military obligations after completing 12 weeks of instruction receives full credit for each enrolled course provided the instructor certifies a grade of “C” or better for the course at the date of formal withdrawal. If the instructor certifies a grade of less than “C,” the student receives a grade of “W.” The student must opt for either a tuition refund or for a grade assignment after the 12th week. A final semester senior who has satisfactorily completed at least half of the work for enrolled courses, provided these would complete degree requirements, may be certified for graduation by the faculty of their college. Visit the [Dean of Students Office website](#) and click on “Request For Military Withdrawal>Services>Military Withdrawals” for a form in order to initiate the military withdrawal process.

**Residency**

**Summary of Regulations for New Mexico Residency for Tuition Purposes**

A student who enters and remains in this State principally to obtain an education is presumed to continue to reside outside this state, and such presumption continues in effect until rebutted by clear and convincing evidence of bona fide residence. A student determined to be financially dependent on an out-of-state parent or guardian also assumes the residency of that parent or guardian. The burden of proof is on the student. The student must secure and file the residency petition with the appropriate documents of evidence in the manner described herein. All documents submitted for this purpose are kept confidential. Residency petitions are accepted until the second Friday of each Fall and Spring semester in Student Services, Building 1.
To become a legal resident of the State of New Mexico for tuition purposes, each student must individually meet the four basic requirements below:

1. The 12-Month Consecutive Presence Requirement: A student must physically reside in the state for 12 consecutive months immediately preceding the term for which the student submits a petition.
2. The Financial Independence Requirement: A student who is financially dependent on parents or legal guardians who are not residents of New Mexico cannot be approved for residency. At the time the student petitions for residency (if under 23 years of age), a copy of the parents’ or guardians’ 1040 or 1040A U.S. income tax form for the previous year must be submitted with the petition. If shown to be a dependent on that tax form, the student is not eligible to establish residency apart from the parents or guardians.
3. The Written Declaration of Intent: The student must sign a written declaration of intent to relinquish residency in another state and to establish it in New Mexico (included in residency petition).
4. The Overt Act Requirement: Overt acts are required to evidence support of the written declaration of intent to establish permanent residency in New Mexico. Documentation of two of the following is required:
   - A New Mexico high school transcript issued in the past year confirming attendance at a New Mexico public or private high school within the past 12 months;
   - A transcript from an online high school showing a New Mexico address confirming attendance within the past 12 months;
   - A New Mexico driver’s license or ID card with an original date of issue or a renewal date issued prior to the first day of the term or semester;
   - Proof of payment of New Mexico state income tax for the previous year;
   - Evidence of employment within the state of New Mexico;
   - New Mexico vehicle registration;
   - Voter registration in New Mexico;
   - Proof of residential property ownership in New Mexico;
   - A rental agreement within New Mexico;
   - Utility bills showing the applicant’s name and a New Mexico address;
   - Other evidence which would reasonably support the individual’s intent to establish and maintain New Mexico residency.

Any act considered inconsistent with being a New Mexico resident will cause the request for resident classification to be denied. As such, other relevant factors may be considered in addition to the items listed above.

NOTES:

- A person who has moved to New Mexico and has obtained permanent full-time employment (sufficient documentation is required) and his/her spouse and dependent children shall not be required to complete the 12-month durational requirement. However, all other requirements must be satisfied.
- Active duty military members stationed in New Mexico, their spouses, and dependents are eligible for waivers of non-resident tuition. Members of the National Guard, their spouses and dependents are also eligible for waivers of non-resident tuition. A form must be submitted to the Office of the Registrar by the second Friday of the term to obtain these waivers.
- According to the University of New Mexico’s tuition policy:
  - Non-resident, degree-seeking, graduate students enrolled for six or fewer credit hours in their first two semesters are charged resident tuition rates.
  - Students enrolling for the summer session are charged resident tuition rates regardless of residency classification (except those in the College of Nursing).

The residency petition and a brochure that explains requirements for establishing New Mexico residency for tuition purposes and special tuition status waivers are available from Student Services, Building 1, or on the Office of the Registrar website.
Western Undergraduate Exchange

The Western Undergraduate Exchange (WUE) is a program of the Western Interstate Commission for Higher Education (WICHE). Through WUE, students in western states may enroll in many two-year and four-year college programs at a reduced tuition level: 150 percent of the institution’s regular resident tuition. Additional award levels may be available for selected beginning freshman. WUE tuition rates are considerably lower than the nonresident tuition rate.

Requirements for WUE Enrollment

New freshmen and undergraduate transfer applicants are considered for the WUE tuition waiver program upon admission to UNM. No additional application is necessary. Qualified new students are notified of their eligibility and the tuition offer. Students offered the WUE tuition waiver must accept the offer by the deadline indicated in the offer letter.

All UNM programs are open to WUE students. Access to the WUE program is selective.

Admissions

General

The University of New Mexico-Los Alamos admits all eligible applicants from New Mexico, other states, and foreign countries. Because of the great diversity of the University’s students, special application and admission procedures have been created to meet the needs of the different populations. UNM-Los Alamos serves high school students, recent high school graduates, transfer students, non-degree students, returning, and non-traditional students. Admission procedures and requirements vary in each of the categories listed below.

Beginning freshman (no previous college work, excluding dual credit coursework)
Transfer (last attended another institution)
Returning (stopped attending for three or more terms)
Dual Credit (high school)
Concurrent Enrollment (high school)
Non-degree (presently not seeking a degree)
International students

For all categories, the University requires full academic disclosure on the application forms. Any student found guilty of non-disclosure or misrepresentation on an application is subject to disciplinary action, including possible dismissal from the University. Transcripts and test scores submitted to UNM-Los Alamos for admission become the property of the University and will not be sent elsewhere or returned to the student.

When to Apply

We strongly encourage students to apply as early as possible. Applications are applicable for three consecutive sessions only. If a student does not take advantage of admission and enroll within that period, a new application is required.

Use of Social Security Numbers

Students’ social security numbers are collected in the initial admission process only. It will not be the primary University identification number. It will not appear on the student identification card. UNM is required to collect a SSN in order to provide full access to services such as financial aid, to ensure an accurate academic record, and for record-keeping purposes. Admission accommodations will be made for students without a SSN. The University will protect the confidentiality of all SSNs as required by law.

Admissions - Beginning Freshman (no previous college)
A student may enroll in one of several associate degree or certificate programs offered by UNM–Los Alamos. The requirement for admission into an Associate Degree is a high school diploma or equivalent. A passing score on the General Education Development (GED) or HiSET exam is accepted in lieu of a high school diploma. The UNM–Los Alamos campus has an open admission policy. Admission is available to all students.

How to Apply

Applications may be submitted online or printed in hard copy at http://losalamos.unm.edu/admissions/index.html

Request that a high school or GED/HiSET testing site send an official transcript directly to the Student Services Office.

Request that each college attended, including colleges through which dual credit courses were taken, send an official transcript directly to the Student Services Office.

NOTE: Applications will not be processed until all the required items are on file with the Student Services Office.

Admissions - Transfer Students

How to Apply

Complete and return an application for admission to the Student Services Office. Applications can also be submitted online at https://www.unm.edu/apply/ by selecting Branch Campus Applications and clicking on the link for Los Alamos Campus Application.

Request that each college attended send an official transcript directly to the Student Services Office. A summary on one transcript of work at several colleges is not sufficient. If applying for the next academic session at UNM–Los Alamos while still enrolled at another institution, the official transcript must include a listing of courses in progress, as well as all completed work. After admission, a final transcript is required after completion of any courses in progress at the time of application. (See note below.)

If transferring to UNM–Los Alamos with fewer than 26 semester hours of accepted college work, students are considered a freshman transfer and must submit a complete official transcript of high school work or official GED/HiSet scores.

NOTE: Applications will not be processed until all the required items are on file with the Student Services Office.

To allow students at other institutions to make definite plans for transfer, a determination of admission status may be made before courses in progress are completed, subject only to receipt of the final transcript. Students permitted to register prior to receipt of their final transcripts may be disenrolled if their transcripts do not reach the Student Services Office within three weeks after the beginning of classes.

NOTE: The student must indicate on the application all previous college attendance. Applicants may not ignore any college attendance, even though they did not successfully complete coursework or may prefer to repeat all courses. Students found guilty of non-disclosure or misrepresentation in filling out admission application forms, or who find after admission or enrollment that for academic or other reasons they are ineligible to return to their last institution but fail to report this immediately to the Student Services Office, are subject to disciplinary action, including possible dismissal from the University.
Previous Suspension

A student under academic suspension from another college or university may not enter UNM–Los Alamos during the term of suspension. In cases of unspecified suspension periods, the University's suspension term will apply. Upon termination of the suspension, the student is eligible to request special consideration for admission to UNM–Los Alamos. In general, students under disciplinary suspension are not admitted to UNM–Los Alamos. However, because the reasons for disciplinary suspension vary among institutions, a student may be suspended from one school for infractions that would not be actionable at another.

Therefore, UNM–Los Alamos reviews each case individually and, when justified, makes exceptions and allows the student to be considered for admission.

Transfer of Credits

UNM evaluates all courses from postsecondary institutions that are regionally accredited or are candidates for regional accreditation. Transfer students will receive full credit for course work completed with a minimum grade of “C,” provided the classes are similar or equivalent to courses offered at the University. Transferable courses with grades of “D” from New Mexico state institutions are accepted in transfer but may not be counted toward degree completion. UNM–Los Alamos operates on a semester credit calendar. Therefore, classes from quarter system institutions will be recalculated to semester hours (one quarter hour equals .66 semester hours.)

UNM–Los Alamos does not accept personal development or dogmatic religion courses. Credit is not currently awarded for work or life experience, cooperative education, or for courses from out of state in which the grade received was lower than “C.” Grades earned in courses taken at other institutions are not included in calculation of the UNM grade point average.

This grade point average will reflect only classes taken at UNM.

Transfer among New Mexico Higher Education Institutions

To facilitate transfer of students and course credits among New Mexico’s colleges and universities, the state’s public institutions of higher education are required to accept transfer courses taken within approved modules of lower division course work and apply them toward degree requirements. A transfer equivalency guide has been developed through collaboration of New Mexico’s public postsecondary institutions, consistent with requirements of state law (21-1B, NMSA 1978). Students enrolling for first- year or second-year study at a New Mexico institution and wishing to prepare for possible transfer into a degree program at another institution are advised to take these courses during their freshman and sophomore years.

In addition, as a branch of UNM, UNM–LA offerings of 1000- and 2000-level courses from the UNM catalog are automatically transferable to UNM–Albuquerque, if graded with a C or better. Students need to see an advisor to see which credits transfer to a program of a particular college, such as the School of Engineering. Planning ahead means that students choose the correct option for the college to which they intend to transfer at a later date.

Student Responsibility

Planning for effective transfer with maximum efficiency is ultimately the student’s responsibility. Responsible transfer planning includes early and regular consultation with the intended degree-granting institution to ensure that all pre- transfer course work will meet the requirements of the desired degree.

Transferable Lower-Division General Education

For students enrolled at any public institution in New Mexico, general education courses are guaranteed to transfer to any other New Mexico public college or university and apply toward associate and baccalaureate degree program requirements. Students should consult advisors at their current institution regarding which specific courses fit these categories. Students preparing for careers in engineering, health sciences, or other profession-related fields are advised that specific General Education courses, relative to each degree, should be selected to meet both General Education credits and future baccalaureate degree requirements. For more on General Education, see below, page
Inter-Institutional Transfer Guides and Catalogs

Students who have selected a field of study and/or the institution where they wish to graduate are advised to consult the transfer guide or catalog for that institution for more current and detailed advice to guide their course selection. An online tool to determine institutional transfer equivalencies, along with a number of published transfer guides are available on the University of New Mexico Admissions Office website at https://admissions.unm.edu/future-students/transfer.

Complaint Procedure for Transfer Students

All New Mexico public post-secondary institutions are required to establish policies and practices for receiving and resolving complaints from students or from other complainants regarding the transfer of course work from other public institutions in the state. A copy of the University of New Mexico’s complaint policy may be obtained from the New Mexico Higher Education Department, 2048 Galisteo Drive, Santa Fe, NM 87505-2100, (505) 476-8400 or www.hed.state.nm.us.

Evaluation of Credit

The evaluation of credit is ordinarily part of the admissions application procedure for students entering an associate program. It is a two-step process. An Admissions Officer first evaluates credits on a course-by-course basis to determine general transferability to the University, and a transfer evaluation is produced for students who are admitted. (Students who have completed courses in institutions utilizing non-traditional credit or grading systems may be required to provide additional information to facilitate the evaluation.) The student must contact an academic advisor in order to determine how the transferred courses will be applied to a degree.

Admissions - Returning Students

How to Apply

A UNM–Los Alamos degree-seeking student who stops attending for three or more sessions, including a summer, must file an application for readmission. You may also apply online at https://losalamos.unm.edu/admissions/apply-now.html.

Complete and return an application for readmission to the Student Services Office.

If a student has attended another institution while on break from UNM–Los Alamos or has taken college-level correspondence or extension courses, he or she must send an official transcript from each college. A summary on one transcript of work at several colleges is not sufficient. If applying for the next academic semester at UNM–Los Alamos while still enrolled at another institution, the official transcript must include a listing of courses in progress, as well as all completed work. After admission, a final transcript is required after completion of any courses in progress at the time of application.

NOTE: Applications will not be processed until all the required items are on file with the Student Services Office.

Students who have been suspended or dismissed as the result of disciplinary problems shall not be readmitted to the University without a required interview with the Director of Student Affairs. The University reserves the right to refuse any student readmission on the basis of his or her student history, either academic or disciplinary.

Admissions - Dual Credit (high school students)

The Dual Credit Program allows qualified public, charter, homeschool, and tribal school students to enroll in college-level courses offered by a public postsecondary educational institution that may be academic or career technical but not remedial or developmental, and simultaneously earn credit toward high school graduation and a
UNM Los Alamos Catalog 2023-2024

postsecondary degree or certificate. The program is designed to increase education opportunities, provide a college-level experience, and encourage more high school students to pursue higher education.

Meeting the criteria listed below does not mean that the student will automatically be admitted to the Dual Credit Program. In all cases, the final admission determination will be made by UNM–Los Alamos.

The student must have the certification and unconditional recommendation of the high school as well as proof of parental consent prior to participation on the Dual Credit/Concurrent Enrollment application form.

The student must furnish the Student Services Office with a current official high school transcript including their grade point average and STARS number.

A student planning to enroll in English or Math must meet the minimum placement scores determined by UNM-Los Alamos in either the ACT, SAT or ACCUPLACER tests.

A student planning to enroll in any course that has a prerequisite requirement must meet the minimum prerequisite or test score.

Admissions - Concurrent Enrollment (high school students)

UNM–Los Alamos offers a Concurrent Enrollment Program for high school students who only want college credit. The student must have proof of parental consent prior to participation on the Dual Credit/Concurrent Enrollment application packet, which must be submitted with a current official high school transcript.

Admissions - Non-degree Students

The Non-degree credit program allows students to earn academic credit without being admitted into a degree-granting unit. This program accommodates non-traditional students who wish to begin taking academic courses to prepare for graduate studies, career changes or for professional and/or personal development. Non-degree status is recommended for visiting students from other institutions.

Non-Degree Admission Requirements

Applicants must be 21 years of age or older or, if they are under 21:

High school graduating class must have been out of school for at least one full year or,
If the applicant earned a diploma by the GED or HiSET exam, the graduating class must have been out of high school at least one year.
NOTE: Students in Non-degree status are not eligible to receive financial aid. Contact the Financial Aid Office at (505) 662-0341 for details.

The following students are not eligible for non-degree status:

A student who is under disciplinary or academic suspension from UNM–Los Alamos or any other collegiate institution.
A student who has exhausted his or her eligibility in University College and is not academically eligible to enter a degree-granting college at the University of New Mexico.
A student planning to receive student financial aid.
Applicants for Non-degree status are required to certify that they are not under suspension from any college or university. Students found guilty of nondisclosure or misrepresentation in filling out the admission application form or who after admission or enrollment at UNM–Los Alamos are found to be ineligible for academic or other reasons to return to the last institution attended and fail to report this immediately to the Student Services Office, will be subject to disciplinary action, including possible dismissal from the University.
Facts about Non-degree Status

No transcripts of previous high school or college work are required for admission.

NOTE: A transcript may be required to determine fulfillment of prerequisite course work.

There is a 30-credit hour limit in non-degree for students who have not yet completed a baccalaureate degree. There is no limit for students with a baccalaureate degree.

Credits earned in non-degree status are recorded on a University of New Mexico permanent record. Credits may be applied to an undergraduate plan of study, if the courses meet specific degree requirements.

Non-degree students applying for undergraduate degree status must follow admission procedures and provide all items required of transfer students (see Admissions—Transfer Students).

Academic Standards

Students in Non-degree status are subject to all University regulations governing registration, attendance, academic standing, and satisfactory completion of prerequisite courses. The Albuquerque campus Non-degree Student Services Office governs academic standing and maintains college records for all non-degree students, including those at branch campuses and other UNM sites.

Admissions - International Students

The University of New Mexico welcomes applications from international students who have earned distinguished academic records and have demonstrated English proficiency.

International Non-degree Admission

International students wishing to enroll at UNM-Los Alamos in Non-degree status must submit an admission application that includes visa type and country of citizenship information.

Students taking non-academic courses may not be required to provide copies of documentation or proof of English proficiency with the admission application.

Students interested in taking an academic course will be required to obtain instructor approval or provide proof of English proficiency.

Please contact the UNM-Los Alamos Director of Student Affairs at (505) 661-4688 for guidance and more information.

International Undergraduate (Degree-Seeking) Admission Requirements

The Global Education Office (GEO) at UNM-Albuquerque provides services to international students and scholars coming to UNM and wishing to be enrolled into a degree granting program.

The Office of International Admissions within the GEO handles admission of all degree-seeking international students to the University of New Mexico, including to UNM-Los Alamos. To know more about the admission process and requirements for new international students, please contact the Office of International Admissions directly at (505) 277-4032, https://geo.unm.edu.
Alternative Credit Programs

UNM–Los Alamos grants college credit for certain outside training, courses, and examinations. In all cases, students must be enrolled in undergraduate degree status. The guidelines for each of these programs are as follows.

Technical Credit

Under special circumstances, students may receive credit for technical courses that are not normally transferable to UNM–Los Alamos. Students who have earned technical credit that they believe may be applicable to their specific degree programs may request a review of that credit by the division chairperson or program director. An interview or demonstration of competence or both may be required before a decision regarding credit is made. Acceptance of technical credit is binding only to the specific department or program recommending the credit.

Training Credit

Credit for non-collegiate training programs is granted based on recommendations of the American Council of Education’s National Guide to Educational Credit for Training Programs and institutional policies. Official records must be supplied to the Student Services Office by the appropriate source.

Military Credit

Credit for military service is granted based on recommendations of the American Council of Education’s Guide to the Evaluation of Educational Experiences in the Armed Service and institutional policies. No credit is granted for Military Occupational Specialty (MOS).

Financial Aid

A college education is an investment in your future. It is an investment that will pay increasing dividends in earning power in future careers and in the quality of your life. The basic premise underlying student financial aid is that the primary responsibility for a student’s education rests with his or her family. When the resources of the family are not sufficient to meet college costs, the student may be eligible to receive financial assistance. This aid may come in the form of scholarships, grants, work-study programs, and/or student loans.

If students feel they may need financial help to pay for college expenses, they should apply for financial aid to determine their eligibility. The following information will explain the application process and answer questions about costs to attend and financial aid at UNM–Los Alamos. To maximize the opportunity for funding, student applications must be received by the first Friday in January for the following academic year. They must also respond to any request for additional verification information in a timely fashion. Pell Grants and Direct Student Loans remain available to eligible students who submit applications after the January priority date.

The Free Application for Federal Student Aid (FAFSA) is used to apply for all types of federal and state need-based aid. Students apply for financial aid online. UNM–Los Alamos’ Federal School Code is 002663. All prospective students must be admitted to UNM–Los Alamos to receive an offer of financial aid.

The estimated costs of attending UNM–Los Alamos may include the following: (1) tuition and fees; (2) room and board; (3) books and supplies; (4) transportation; (5) personal expenses; and (6) child care costs, if applicable.

To be considered for financial aid, students must apply every year. Students can complete a free FAFSA starting October 1.

For additional information regarding costs and financial aid at UNM–Los Alamos, please visit the Tuition and Fees website.

Satisfactory Academic Progress
To retain eligibility for financial aid, students must reestablish their need for funds by submitting the FAFSA application each year, and they must meet a minimum standard of academic performance in their coursework and progression toward a degree. All students will have their academic progress monitored each semester to determine continued eligibility for assistance. There are three major components to UNM–Los Alamos’ Satisfactory Academic Progress Policy:

Grade Point Average

Students are required to maintain a grade point average consistent with graduation requirements for their major as follows:

- While completing the first 30 credit hours as an undergraduate, a student must attain a minimum 1.7 GPA.
- Students with more than 30 credit hours must sustain a minimum 2.0 GPA.
- Graduate students must sustain a minimum 3.0 GPA.

Completion Rate

Students must successfully complete at least 67% of the total credit hours they attempt. Classes in which grades of “A”, “B”, “C”, “D” or “CR” are earned will be considered completed. Repeated courses were already counted as completed and will not be counted twice. All attempted credit hours from any college (including non-degree hours) are counted whether or not financial aid was received. This calculation includes all hours in which a student is registered at the time of withdrawal. Remedial classes and English as a Second Language (ESL) classes are also counted as attempted credit hours. Courses taken for Audit are not counted in the student’s total course load for purposes of financial aid eligibility. For graduate students, 1000- and 2000-level classes count as hours attempted, but not hours earned, because they will not count toward the completion of a graduate degree.

Maximum Time Frame

Undergraduate students must complete their program of study within 150% of the published length of the program, measured in credit hours attempted. Example: if the published length of the academic program is 60 credits, the maximum time frame for completion is 90 attempted credits. All attempted credit hours from any college, including non-degree hours, and hours attempted in completing a prior certificate or degree will count toward the maximum allowable credits regardless of whether financial aid was received. Courses with assigned grades of “F”, “WF”, “W”, “WP”, “I”, “NC” and repeated courses all count as attempted credit hours. In addition, remedial classes and ESL classes are counted in this calculation, even though these classes do not count toward the student’s graduation requirements. To receive financial aid, graduate students must complete their degree within the maximum time frame allowed by their graduate program.

Enrollment Requirements for Financial Aid

To receive financial aid, students must generally be enrolled at least half-time as a regular student in an eligible program. Scholarships generally require full-time enrollment. Courses taken as audit are not included toward financial aid enrollment requirements. Award amounts are generally prorated according to enrollment status.

The student is responsible for meeting minimum enrollment requirements. Students knowingly receiving aid to which they are not entitled may be in violation of University policy and state or federal laws. If you have any questions, please contact the Financial Aid Office, (505) 662-0341.

Enrollment Requirements

Undergraduate Students

- Full-time 12 hours
- Half-time 6 hours

Non-resident Students

The student is responsible for obtaining the correct residency classification prior to the end of the second week of the semester. A student not classified as a New Mexico resident will be charged tuition as a non-resident. Please refer to the “Residency” section in this catalog.
Federal Student Loans

The main loan program offered at UNM is the William D. Ford Direct Loan program. Students wishing to receive loans must have a current FAFSA, a complete financial aid file, and submit a loan request form to the UNM–LA Financial Aid Office. Please see the Financial Aid officer for more information.

Typical Sources of Financial Aid

<table>
<thead>
<tr>
<th>Program</th>
<th>Per Academic Year</th>
<th>Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Pell Grant*</td>
<td>Maximum</td>
<td>$6,345</td>
</tr>
<tr>
<td>Federal Supplemental Ed. Opportunity Grant</td>
<td>Maximum</td>
<td>$1,500</td>
</tr>
<tr>
<td>State Student Incentive Grant</td>
<td>(Based on 2014-2015)</td>
<td>$1,500</td>
</tr>
<tr>
<td>UNM–LA Bridge to Success Scholarship depending on HED allowance</td>
<td>First Fall Only, Portion of Tuition Amount**</td>
<td></td>
</tr>
<tr>
<td>UNM Lottery Scholarship</td>
<td>$574/semester</td>
<td>Up to 3 consecutive Semesters**</td>
</tr>
<tr>
<td>Federal /State College Work-study</td>
<td>Undergraduate</td>
<td>$6,000 maximum</td>
</tr>
<tr>
<td>Federal Perkins Loan</td>
<td>Maximum</td>
<td>$2,000</td>
</tr>
<tr>
<td>Federal Stafford Loan:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Subsidized)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Freshman</td>
<td>$3,500</td>
</tr>
<tr>
<td></td>
<td>Sophomore</td>
<td>$4,500</td>
</tr>
<tr>
<td></td>
<td>Junior/Senior</td>
<td>$5,500</td>
</tr>
<tr>
<td>Plus Loans (Parent loan for undergrad students) awarded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Stafford Loan:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Unsubsidized)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Freshman</td>
<td>$2,000-$6,000*</td>
</tr>
<tr>
<td></td>
<td>Sophomore</td>
<td>$2,000-$6,000*</td>
</tr>
<tr>
<td></td>
<td>Junior/Senior</td>
<td>$7,000*</td>
</tr>
</tbody>
</table>

*Conditions Apply
**Subject to Change

Student Employment

Students seeking part-time employment while attending UNM–Los Alamos may apply for a work-study position. Students must first complete a FAFSA online and indicate their interest in work-study. Then visit http://stuemp.unm.edu to see what positions are available.

Students must submit all applications online.

Payment by Financial Aid

Financial aid disbursement is done during the first week of class, unless otherwise specified in the financial aid section of the UNM–LA website. Registered students should use LoboWeb to obtain information as to required payment and anticipated financial aid.

Student charges for any services, sales, or fines will be collected from the first available source of financial aid (grants, scholarships, or loans) even if due date is later than aid release date.

Students must be registered full time prior to receiving aid or have the Financial Aid Office adjust required number of hours to be eligible for aid. It is their responsibility to visit the Financial Aid Office to be certain that aid will be available so that they will not be disenrolled.
If a delay in receipt of your financial aid occurs, you may wish to pay the first installment and any processing fees at the Cashier's Office to avoid disenrollment. Work-study awards will not be considered in arranging for payment. Refer to the academic calendar for the applicable Enrollment Cancellation date.

If tuition has been deferred based on financial aid, and a student decides not to attend the University of New Mexico–Los Alamos, he or she must officially withdraw through https://registrar.unm.edu prior to the 100% refund deadlines outlined in the Academic Calendar.

If a student drops or disenrolls after this date, he or she may owe aid back to UNM.

Crediting Financial Assistance to a Student’s Account Students who are receiving financial assistance through programs detailed below will have their awards automatically credited to their accounts beginning on the Friday before classes if financial aid has been approved and awarded.

These programs include:

- PELL Grant
- Supplemental Educational Opportunity Grant (SEOG)
- State Student Incentive Grant (SSIG)
- Federal Perkins Loan
- Other Grants and Scholarships
- FFELP Loans/LINK Loans
- Federal Direct Loans

Financial assistance awards will not be credited to a student’s account until the student has registered for the required number of hours and has met all respective financial assistance source program requirements. Students will receive any remaining balance after deductions of current and past due charges through direct deposit by visiting https://my.unm.edu. If not signed up for direct deposit, students will receive funds in a refund check sent to their mailing address of record. Students who are eligible for and will be receiving funds from external scholarships will not have those funds automatically credited to their accounts but must visit the Financial Aid Office to have scholarships applied to their account and/or receive any surplus funding.

Scholarships

Scholarships are awarded on a variety of criteria. Some are need based, but nearly all have certain academic requirements, such as GPA, course of study, and course load. Please see the UNM-Los Alamos scholarships page for more information.

New Clubs/Chartered Student Organizations

Any UNM-Los Alamos student or group wishing to start a recognized Chartered Student Organization (CSO) may do so. Chartered Student Organizations are formed to further the common interest of the members of the group and the University community. Chartering a student organization leads to official recognition of the student organization by the University of New Mexico–Los Alamos, potential funding through Student Government, and authorized use of UNM–Los Alamos facilities. Contact Student Government via Student Services, Building 1, (505) 662-5919, for more information.
Courses

Accounting

ACCT1125 - Supplemental Instruction to Financial Accounting

Subject Code
ACCT

Course Number
1125

Long Title
Supplemental Instruction to Financial Accounting

Description
Collaborative workshop for students to provide additional problem solving necessary for students to master financial accounting.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many times can the course be repeated?
1

Course Level
Lower division undergraduate (100-2999)
ACCT2110 - Principles of Accounting I

Subject Code
ACCT

Course Number
2110

Long Title
Principles of Accounting I

Description
An introduction to financial accounting concepts emphasizing the analysis of business transactions in accordance with generally accepted accounting principles (GAAP), the effect of these transactions on the financial statements, financial analysis, and the interrelationships of the financial statements.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

ACCT2110X - Principles of Accounting IA

Subject Code
ACCT

Course Number
2110X

Long Title
Principles of Accounting IA

Description
An introduction to financial accounting concepts emphasizing the analysis of business transactions in accordance with generally accepted accounting principles (GAAP), the effect of these transactions on the financial statements, financial analysis, and the interrelationships of the financial statements.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ACCT2110Y - Principles of Accounting IB

Subject Code
ACCT

Course Number
2110Y

Long Title
Principles of Accounting IB

Description
A continuation of 2110X emphasizing accounting principles and procedures for receivables, inventory, notes and interest, depreciation, equity transactions, cash flow and financial statement analysis.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - ACCT2110X - Principles of Accounting IA (3)
  - Course Not Found
ACCT2120 - Principles of Accounting II

Subject Code
ACCT

Course Number
2120

Long Title
Principles of Accounting II

Description
An introduction to the use of accounting information in the management decision making processes of planning, implementing, and controlling business activities. In addition, the course will discuss the accumulation and classification of costs as well as demonstrate the difference between costing systems.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ACCT2110 - Principles of Accounting I (3)

Actinide Science Fundamentals
ASFD1110 - Introduction to Actinide Science

**Subject Code**
ASFD

**Course Number**
1110

**Long Title**
Introduction to Actinide Science

**Description**
Introduction to the basic principles of actinide science, with a special emphasis on the light actinide elements uranium, neptunium and americium; course covers the nuclear materials cycle from production to disposal.

**Credits**
5

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

**Prerequisites**
- Earned a minimum grade of C in each of the following:
  - ENGL1110X - Composition I: Stretch I (3)
  - MATH012 - Prealgebra Part II (1 - 2)
  - NFFW1110 - Nuclear Facility Fundamentals (5)
  - NFFW1120 - Fissionable Material Handler (5)
  - NFFW1120L - Nuclear Facility Laboratory (5)

**Other Restrictions**
Students must be employed as a Laboratory Technician/Technologist at Los Alamos National Laboratory (LANL), N3B, other National Laboratories, or Department of Energy facilities. Instructor permission required.
ASFD1120 - Nuclear Materials Process Techniques

Subject Code
ASFD

Course Number
1120

Long Title
Nuclear Materials Process Techniques

Description
Introduction to the basic techniques used for the manipulation and manufacturing of nuclear materials, with a special emphasis on isotopes of the light actinide elements uranium, neptunium, plutonium and americium.

Credits
5

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Corequisites
- Concurrently enrolled in:
  - ASFD1110 - Introduction to Actinide Science (5)
  - ASFD1120L - Nuclear Materials Process Laboratory (5)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ENGL1110X - Composition I: Stretch I (3)
  - MATH012 - Prealgebra Part II (1 - 2)
  - NFFW1110 - Nuclear Facility Fundamentals (5)
  - NFFW1120 - Fissionable Material Handler (5)
  - NFFW1120L - Nuclear Facility Laboratory (5)

Other Restrictions
Students must be employed as a Laboratory Technician/Technologist at Los Alamos National Laboratory (LANL), N3B, other National Laboratories, or Department of Energy facilities. Restriction: permission of instructor.
ASFD1120L - Nuclear Materials Process Laboratory

Subject Code
ASFD

Course Number
1120L

Long Title
Nuclear Materials Process Laboratory

Description
Laboratory experience for nuclear material processing equipment and techniques. Topics include emergency response, routine procedures, and other related to working in a nuclear laboratory.

Credits
5

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Corequisites
- Concurrently enrolled in:
  - ASFD1110 - Introduction to Actinide Science (5)
  - ASFD1120 - Nuclear Materials Process Techniques (5)

Prerequisites
- Earned a minimum grade of C+ in each of the following:
  - ENGL1110X - Composition I: Stretch I (3)
  - MATH012 - Prealgebra Part II (1 - 2)
  - NFFW1110 - Nuclear Facility Fundamentals (5)
  - NFFW1120 - Fissionable Material Handler (5)
  - NFFW1120L - Nuclear Facility Laboratory (5)

Other Restrictions
Students must be employed as a Laboratory Technician/Technologist at Los Alamos National Laboratory (LANL), N3B, other National Laboratories, or Department of Energy facilities. Instructor permission required.

Africana Studies
AFST1120 - Race in the Digital Age

Subject Code
AFST

Course Number
1120

Long Title
Race in the Digital Age

Description
The digital realm is comprised of storied sites such as commerce, employment, education, therapy, community, political expression, crime, and ideas. Technology has transformed the who, what, where, and why of how we define community and identity in the digital age. However, who you are and where you are still matters, despite the benefits of anonymity in cyberspace. This course will investigate the relevance of race, gender, class, identity, and the “cultural capital” that one can spend in our Digital Age economy. To this end, we will start with critical race scholar, Prof. Derrick Bell’s 1990 sci-fi influenced work which prophesied a 21st century “post-racial” American: entwining over two centuries of racial designations on an ever evolving economic marketplace. This course will approach our present “post-racial” moment as an exceptional period for developing new models for identity formation.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
UNM Diversity, Equity, Inclusion, and Power Requirement

American Studies
AMST1110 - Introduction to Environmental and Social Justice

Subject Code
AMST

Course Number
1110

Long Title
Introduction to Environmental and Social Justice

Description
An introduction to the socially and politically constructed values directing Americans’ attitudes toward nature, science and technology and to the impacts of those attitudes on built and natural environments regionally, nationally and globally. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences
AMST1120 - Introduction to Gender, Sexuality and U.S. Empire

Subject Code
AMST

Course Number
1120

Long Title
Introduction to Gender, Sexuality and U.S. Empire

Description
While Gender Studies is truly a vast field of inquiry, there is great symmetry in the ways in which feminist scholars have been engaged with questions as to how disciplinary apparatuses and discourses shape and construct "gender." This course will begin with the process of peeking into this exciting scholarship, focusing on the "intersectional ties" of identity-that is, how gender has been produced in and through other categories of identity, such as race, class, sexuality, and nation. While there are numerous ways to structure such a course, this course will maneuver through the field of Gender Studies with an eye toward feminisms, race, and U.S. Empire through processes of incarceration, colonialism, and war). In this course, we will explore how the "intersectional ties" of identities have been constructed within a range of institutions, discourses, and processes, such as law, medicine, popular culture, nationalism, colonialism, and empire. Throughout, we will pay close attention to how discourses normalize certain types of identities, practices, and behaviors, and mark others as deviant or unnatural. And, of course, we will look for strategies to contest these productions. This will necessarily place us within key debates in feminist studies of power, agency, activism, and justice at the individual, community, national, and transnational levels, and allow us to end the course by interrogating the role of Gender Studies in regard to current U.S. occupation in the Middle East and Native America. This course will provide a strong foundation for you to pursue studies in feminist, queer, critical race, and postcolonial theories.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
UNM Diversity, Equity, Inclusion, and Power Requirement
AMST1130 - Introduction to Politics in Popular Culture

Subject Code
AMST

Course Number
1130

Long Title
Introduction to Politics in Popular Culture

Description
This course considers a range of theoretical approaches to the study of popular culture, including cultural studies and feminist theory as well as key concepts and key debates in the study of popular culture. It explores the ways popular culture is implicated in the formation of social determinants such as ethnicity, race, gender, class, and sexuality and conversely, how these social determinants are implicated in the formation of popular culture. The course also considers the ways in which popular culture serves as a site of ongoing political struggle. The aim of the course is to provide students with a critical vocabulary to make sense of broader significance and relevance of popular culture--why popular culture matters. To accomplish this, we will investigate a number of popular expressive forms including magazines, fandom, digital music, and hip hop. May be repeated for credit with permission from AMST undergraduate advisor.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
AMST1140 - Introduction to Critical Race and Indigenous Studies

Subject Code
AMST

Course Number
1140

Long Title
Introduction to Critical Race and Indigenous Studies

Description
This course offers an introduction to the field of American Studies through an interdisciplinary examination of race, class and ethnicity in the United States and in a global context. Using a schedule of keywords, we will engage a range of central themes and concerns. We will examine histories of injustice, and resistance to injustice. Readings and assignments encourage students to notice the privilege and oppression at the core of U.S. society. The class will challenge the widely accepted assumption that we as a nation have moved beyond race and racism. Through readings, films, online sources, and our assignments, this course aims to increase our knowledge of inequality in our society, and the impact of those inequities on various societies and individuals. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences
AMST1150 - Introduction to Southwest Studies

Subject Code
AMST

Course Number
1150

Long Title
Introduction to Southwest Studies

Description
This course introduces the complex histories, social issues, and cultural experiences of peoples of the southwestern United States. Course materials and discussions also demonstrate the possibilities of interdisciplinary study of regional American culture. It is multicultural in content and multidisciplinary in methodology. We will examine cross-cultural relationships among the peoples of the Southwest within the framework of their expressions and experiences in art, culture, religion; social and political economy. Meets New Mexico General Education Curriculum Area 5: Humanities

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
UNM Diversity, Equity, Inclusion, and Power Requirement
AMST2996 - Topics

**Subject Code**
AMST

**Course Number**
2996

**Long Title**
Topics

**Description**
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**Credits**
1 - 6

**Grade Mode**
Standard

**May the course be repeated for credit?**
Yes

**How many hours can the course be repeated?**
99

**Course Level**
Lower division undergraduate (100-2999)

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**Anthropology**
ANTH1115 - Introduction to Anthropology

Subject Code
ANTH

Course Number
1115

Long Title
Introduction to Anthropology

Description
Anthropology is the systematic study of the humanity both past and present. The course introduces students to the four subfields of anthropology, which include archaeology, biological, linguistic and cultural anthropology. Students will learn about the concepts and methods that anthropologists use to study our species and gain a broader perspective on the human experience. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences
ANTH1135 - Introduction to Biological Anthropology

Subject Code
ANTH

Course Number
1135

Long Title
Introduction to Biological Anthropology

Description
This course provides a basic introduction to the broad field of biological anthropology. The research interests of biological anthropologists include the history and development of modern evolutionary biology, molecular and population genetics, modern primates, the primate and human fossil record, and modern human biological diversity. Biological Anthropology concentration students are required, and others are encouraged, to enroll concurrently in 1135L. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
ANTH1140 - Introduction to Cultural Anthropology

Subject Code
ANTH

Course Number
1140

Long Title
Introduction to Cultural Anthropology

Description
This is an introductory course that provides an overview of cultural anthropology as a subfield within the broader discipline of anthropology and as a research approach within the social sciences more generally. The course presents core concepts and methods of cultural anthropology that are used to understand the ways in which human beings organize and experience their lives through distinctive cultural practices. More specifically, this course explores social and cultural differences and similarities around the world through a variety of topics such as: language and communication, economics, ways of making a living, marriage and family, kinship and descent, race, ethnicity, political organization, supernatural beliefs, sex and gender, and globalization. This course ultimately aims to present a broad range of perspectives and practices of various cultural groups from across the globe. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences
UNM Diversity, Equity, Inclusion, and Power Requirement
ANTH1155 - Introduction to Linguistic Anthropology

Subject Code
ANTH

Course Number
1155

Long Title
Introduction to Linguistic Anthropology

Description
This is an introductory course which provides an overview of the discipline of Linguistic Anthropology. The course will discuss the implications of language within anthropology, as well as within the sciences and social sciences more generally. The course explores the core concepts and methods of linguistic anthropology, such as the basic structure of language, first and second language acquisition, bilingualism, and social and regional variations that are used to help students understand what it means to be human and the role of language in human societies.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Art History
**Course Description**

In this class, students will be introduced to the nature, vocabulary, media and history of the visual arts, illustrated by examples drawn from many cultures, both Western and non-Western and across many centuries. We will begin with a general overview of the subject, including basic concepts and themes that shed light on the continuity of the artistic enterprise across the span of human experience. We will study the visual elements from which art is made, including how artists use these elements and how the artists' use of visual elements affects our experience of looking at art. We will examine both two-dimensional and three-dimensional media including drawing, painting, printmaking, camera and computer arts, graphic design, sculpture, installation, crafts and architecture. Selected works will be examined in context, including the history of the time and place in which they were created, as well as their function, patronage, and the character and intent of individual artists. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**

Area VII: Arts and Design
ARTH2110 - History of Art I

Subject Code

ARTH

Course Number

2110

Long Title

History of Art I

Description

This survey course explores the art and architecture of ancient pre-historic cultures through the end of the fourteenth century. While focused primarily on the art of the Western civilizations, this course will also provide insights into the works of other major cultures in order to provide alternate views of art and history. Emphasis will be placed on the relationship of artworks to political, social, spiritual, intellectual, and cultural movements that affect and are affected by their creation and development. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area VII: Arts and Design
ARTH2120 - History of Art II

Subject Code
ARTH

Course Number
2120

Long Title
History of Art II

Description
This survey course will explore the architecture, sculpture, ceramics, paintings, drawings, and glass objects from the 14th century to the modern era. While focused primarily on the art of the Western civilizations, this course will also provide insights into the works of other major cultures in order to provide alternate views of art and history. Emphasis will be placed on the relationship of artworks to political, social, spiritual, intellectual, and cultural movements that affect and are affected by their creation and development. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VII: Arts and Design
ARTH2130 - Modern Art

Subject Code

ARTH

Course Number

2130

Long Title

Modern Art

Description

This course is an overview of European and American art and architecture during the Modern era. Students will analyze the various movements in art as they relate to the historical settings in which the works were created. Emphasis will be placed on the relationship of artworks to political, social, spiritual, intellectual and cultural movements as they affected and were affected by their creation and development.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)
ARTS1143 - Introduction to Arts and Ecology

Subject Code
ARTS

Course Number
1143

Long Title
Introduction to Arts and Ecology

Description
This course is an introduction to the history and practice of the interdisciplinary field of art and ecology. Students will investigate artistic practice, political ecology, environmental justice, and the interrelationships between cultural and ecological systems. Through readings, discussion, lectures, and projects, we will explore how art can respond to—and make meaning within—the context of climate crises, mass extinction, colonialism, extractivism, and beyond. In order to expand the space of possibilities for thinking/feeling/making, this course aims to identify and to challenge distinctions between art and science, theory and practice, knowledge and affect.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ARTS1220 - Art Practices I

Subject Code
ARTS

Course Number
1220

Long Title
Art Practices I

Description
This course introduces the exploration of processes, ideas, and diverse media of visual arts. It addresses the thematic concepts that are central to the nature of art making today, with emphasis given to issues of LIGHT, FRAME, and MARK while developing an understanding of the elements and principles of design. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VII: Arts and Design
ARTS1230 - Art Practices II

**Subject Code**
ARTS

**Course Number**
1230

**Long Title**
Art Practices II

**Description**
This course introduces the exploration of processes, ideas, and diverse media of visual arts. It addresses the thematic concepts that are central to the nature of art making today, with emphasis given to issues of motive and change while developing concepts, techniques, and processes involved in working in the third dimension.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - ARTS1220 - Art Practices I (3)
  - Course Not Found
ARTS1310 - Introduction to Ceramics

Subject Code
ARTS

Course Number
1310

Long Title
Introduction to Ceramics

Description
This course introduces the technical processes and conceptual concerns of working with ceramic material. Various methods of forming functional and expressive works out of clay are explored. Methods used include handbuilding and throwing, basic clay bodies, slip and glaze, and atmospheric firing.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ARTS1320 - Ceramics I

Subject Code: ARTS

Course Number: 1320

Long Title: Ceramics I

Description:
An introduction to the medium of clay incorporating hand building and wheel throwing to introduce the student to both the sculptural and utilitarian uses of clay. The student will also be introduced to a variety of glazing and firing techniques.

Credits: 3

Grade Mode: Standard

May the course be repeated for credit?
No

Course Level:
Lower division undergraduate (100-2999)

Prerequisites:
- Earned a minimum grade of C in at least 1 of the following:
  - ARTS1310 - Introduction to Ceramics (3)
  - Course Not Found
ARTS1610 - Drawing I

Subject Code
ARTS

Course Number
1610

Long Title
Drawing I

Description
This course introduces the basic principles, materials, and skills of observational drawing. Emphasis is placed on rendering a 3-D subject on a 2-D surface with visual accuracy. Other topics include historical and contemporary references as well as an investigation of linear perspective, line, value, shape, space and composition. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VII: Arts and Design
ARTS1630 - Painting I

Subject Code
ARTS

Course Number
1630

Long Title
Painting I

Description
This course introduces the tradition of painting as a medium for artistic expression. Students will investigate materials, tools, techniques, history and concepts of painting. Emphasis is placed on developing descriptive and perceptual skills, color theory, and composition.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - ARTS1610 - Drawing I (3)
ARTS1830 - Shop Foundation

Subject Code

ARTS

Course Number

1830

Long Title

Shop Foundation

Description

This course provides an introduction to the proper use of shop facilities with an emphasis on the safety procedures required for their proper use. The course will provide the student with a foundation of technical skills for use in the production of their work in subsequent classes. Offered on a CR/NC basis only.

Credits

2

Grade Mode

Credit/No Credit

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

ARTS1840 - Sculpture I

Subject Code

ARTS

Course Number

1840

Long Title

Sculpture I

Description

This course introduces the student to a variety of medium and techniques used in the production of sculpture; along with the historic, conceptual, and esthetic foundations of the sculptural process.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)
ARTS1996 - Topics

Subject Code
ARTS

Course Number
1996

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 6

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many times can the course be repeated?
99

Course Level
Lower division undergraduate (100-2999)
ARTS2340 - Raku

**Subject Code**
ARTS

**Course Number**
2340

**Long Title**
Raku

**Description**
This course introduces the principles of Raku firing, post firing, and alternative firing techniques and the process of making simple Raku glazes.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - ARTS1310 - Introduction to Ceramics (3)
ARTS2610 - Drawing II

Subject Code
ARTS

Course Number
2610

Long Title
Drawing II

Description
This course introduces color and colored media as an element of composition while emphasizing descriptive and perceptual drawing skills and conceptual approaches to contemporary drawing.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - ARTS1610 - Drawing I (3)
  - Course Not Found
ARTS2630 - Painting II

Subject Code
ARTS

Course Number
2630

Long Title
Painting II

Description
This course focuses on the expressive and conceptual aspects of painting, building on the observational, compositional, technical, and critical skills gained previously. Students will investigate a variety of approaches to subject matter, materials, and creative processes through in-class projects, related out-of-class assignments, library research or museum/gallery attendance, written responses, and critiques.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many times can the course be repeated?
1

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - Course Not Found
  - ARTS1630 - Painting I (3)
ARTS2996 - Topics

Subject Code
ARTS

Course Number
2996

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 6

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many times can the course be repeated?
99

Course Level
Lower division undergraduate (100-2999)

Astronomy
ASTR1115 - Introduction to Astronomy

Subject Code
ASTR

Course Number
1115

Long Title
Introduction to Astronomy

Description
This course surveys observations, theories, and methods of modern astronomy. The course is predominantly for non-science majors, aiming to provide a conceptual understanding of the universe and the basic physics that governs it. Due to the broad coverage of this course, the specific topics and concepts treated may vary. Commonly presented subjects include the general movements of the sky and history of astronomy, followed by an introduction to basic physics concepts like Newton's and Kepler's laws of motion. The course may also provide modern details and facts about celestial bodies in our solar system, as well as differentiation between them: Terrestrial and Jovian planets, exoplanets, the practical meaning of "dwarf planets", asteroids, comets, and Kuiper Belt and Trans-Neptunian Objects. Beyond this we may study stars and galaxies, star clusters, nebulae, black holes, clusters of galaxies and dark matter. Finally, we may study cosmology, the structure and history of the universe. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
ASTR1115L - Introduction to Astronomy Lab

Subject Code
ASTR

Course Number
1115L

Long Title
Introduction to Astronomy Lab

Description
Includes hands-on exercises that work to reinforce concepts covered in the lecture, and may include additional components that introduce students to the night sky. Two hours lab. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - ASTR1115 - Introduction to Astronomy (3)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences

Biology
BIOL1110 - General Biology

Subject Code
BIOL

Course Number
1110

Long Title
General Biology

Description
This course introduces non-science majors to basic biological concepts including, but not limited to, the properties of life, biochemistry, cell biology, molecular biology, evolution, biodiversity, and ecology. Three lectures. Credit for both this course and BIOL 1140 may not be applied toward a degree program. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
BIOL1110L - General Biology Lab

Subject Code
BIOL

Course Number
1110L

Long Title
General Biology Lab

Description
This laboratory course for non-science majors compliments the concepts covered in the associated general biology lecture course. Students will learn quantitative skills involved in scientific measurement and data analysis. Students will also perform experiments related to topics such as biochemistry, cell structure and function, molecular biology, evolution, taxonomic classification and phylogeny, biodiversity, and ecology. One 3-hour lab per week including plant and animal diversity, techniques and investigation of current issues. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - BIOL1110 - General Biology (3)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
BIOL1140 - Biology for Health Sciences

Subject Code

BIOL

Course Number

1140

Long Title

Biology for Health Sciences

Description

This introductory biology course for students interested in health science careers focuses on the concepts of chemistry, cell biology, metabolism, genetics, and regulation of gene expression. Not accepted toward the Biology major. Credit for both this course and BIOL 1110 may not be applied toward a degree program. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area III: Physical and Natural Sciences
BIOL1140L - Biology for Health Sciences Lab

Subject Code
BIOL

Course Number
1140L

Long Title
Biology for Health Sciences Lab

Description
This course is a laboratory that complements the concepts learned in the theory course. Students will learn skills involved in scientific measurement, microscopy, and mathematical analysis. Students will also perform experiments and data analysis related to cell structure and function, chemistry, enzyme activity, and genetics. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - BIOL1140 - Biology for Health Sciences (3)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory

Subject Code
BIOL

Course Number
2110C

Long Title
Principles of Biology: Cellular and Molecular Lecture and Laboratory

Description
This course introduces students to major topics in general biology. This course focuses on the principles of structure and function of living things at the molecular, cellular and organismic levels of organization. Major topics included are introduction to the scientific process, chemistry of cells, organization of cells, cellular respiration, photosynthesis, cell division, DNA replication, transcription, and translation. Students who completed AP Chemistry in high school should see the instructor of record or a Biology department advisor.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Completed with a minimum grade of C or concurrently enrolled in at least 1 of the following:
    - CHEM1215 - General Chemistry I for STEM Majors (3)
    - Course Not Found
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
BIOL2210 - Human Anatomy and Physiology I

Subject Code
BIOL

Course Number
2210

Long Title
Human Anatomy and Physiology I

Description
This course is the first of two that serve as an introduction to human anatomy and physiology for Biology majors and allied health students. The course entails describing, explaining, and analyzing structure and function from the submicroscopic to the organismal level with emphasis on anatomic, directional, and sectional terminology, basic cellular structure and metabolism, tissue differentiation and characteristics, and organ system structure and function; Specifically the integumentary, skeletal, muscular, and nervous systems. Three lectures.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - BIOL1140 - Biology for Health Sciences (3)
    - BIOL1140L - Biology for Health Sciences Lab (1)
  - Earned a minimum grade of C in each of the following:
    - BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory (4)
- Earned a minimum grade of C in at least 1 of the following:
  - CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors (4)
  - CHEM1215 - General Chemistry I for STEM Majors (3)
BIOL2210L - Human Anatomy and Physiology I Laboratory

Subject Code
BIOL

Course Number
2210L

Long Title
Human Anatomy and Physiology I Laboratory

Description
This is the first in a series of two laboratory courses designed to introduce laboratory practices and techniques for human anatomy and physiology, from the basic cell structure through the organ system level; specifically the integumentary, skeletal, muscle, and nervous systems. Three hours lab.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - BIOL2210 - Human Anatomy and Physiology I (3)
BIOL2225 - Human Anatomy and Physiology II

**Subject Code**
BIOL

**Course Number**
2225

**Long Title**
Human Anatomy and Physiology II

**Description**
This course is the second of two that serve as an introduction to human anatomy and physiology for biology majors and allied health students. The course entails describing, explaining, and analyzing structure and function from the submicroscopic to the organismal level with emphasis on specific cellular, tissue, and organ structure and physiology, and organ system structure and function; specifically the endocrine, cardiovascular, respiratory, urinary, and reproductive systems. Additionally, an analysis of these concepts is included: fluid and electrolyte balance, pregnancy, growth and development from zygote to newborn, and heredity. Three lectures.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - BIOL2210 - Human Anatomy and Physiology I (3)
  - Course Not Found
BIOL2225L - Human Anatomy and Physiology II Laboratory

Subject Code

BIOL

Course Number

2225L

Long Title

Human Anatomy and Physiology II Laboratory

Description

This is the second in a series of two laboratory courses designed to introduce laboratory practices and techniques for human anatomy and physiology, from the basic cell structure through the organ system level; specifically the endocrine, cardiovascular, lymphatic, respiratory, urinary, and reproductive systems. Three hours lab.

Credits

1

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Prerequisites

- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - BIOL2225 - Human Anatomy and Physiology II (3)
BIOL2305 - Microbiology for Health Sciences

Subject Code
BIOL

Course Number
2305

Long Title
Microbiology for Health Sciences

Description
This course introduces the basic principles of microbial structure, genetics, and physiology, virology, parasitology, disease, pathogenicity, epidemiology and immunology. Only some emphasis is given to basic biological principles. The course is designed for those obtaining a career in the health sciences. Not accepted toward the Biology major or minor. Credit for both this course and BIOL **351/**352L may not be applied toward a degree program.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - BIOL1140 - Biology for Health Sciences (3)
    - BIOL1140L - Biology for Health Sciences Lab (1)
  - Earned a minimum grade of C in each of the following:
    - BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory (4)
- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors (4)
  - Earned a minimum grade of C in each of the following:
    - CHEM1215 - General Chemistry I for STEM Majors (3)
    - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
Subject Code
BIOL

Course Number
2410C

Long Title
Principles of Biology: Genetics Lecture and Laboratory

Description
Mitosis, meiosis, Mendelian genetics, chromosomes and inheritance, molecular basis of inheritance, genes to proteins, genetic models (viruses and bacteria), eukaryotic genomes, genetic basis of development and overview of genomes. Three lectures, 1 discussion section.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory (4)
  - Complete 1 of the following
    - Earned a minimum grade of C in at least 1 of the following:
      - CHEM1215 - General Chemistry I for STEM Majors (3)
      - Course Not Found
    - Earned a minimum grade of C in each of the following:
      - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
- Complete all of the following
  - Completed with a minimum grade of C or concurrently enrolled in at least 1 of the following:
    - CHEM1225 - General Chemistry II for STEM Majors (3)
    - Course Not Found
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)

Business Administration
BUSA1110 - Introduction to Business
Subject Code
BUSA

Course Number
1110

Long Title
Introduction to Business

Description
Fundamental concepts and terminology of business including areas such as management, marketing, accounting, economics, personnel, and finance; and the global environment in which they operate.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

BUSA1996 - Topics
Subject Code
BUSA

Course Number
1996

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Restriction: permission of instructor.

Credits
1 - 6

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
99

Course Level
Lower division undergraduate (100-2999)
Business Computer & Information Systems

BCIS1110 - Fundamentals of Information Literacy and Systems

Subject Code
BCIS

Course Number
1110

Long Title
Fundamentals of Information Literacy and Systems

Description
Examination of information systems and their impact on commerce, education, and personal activities. Utilization of productivity tools for communications, data analysis, information management and decision-making. Course cannot apply to major or minor in Computer Science.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of in each of the following:
    - MATH1215 - Intermediate Algebra (3)
    - MATH1220 - College Algebra (3)
    - MATH1230 - Trigonometry (3)
    - MATH1240 - Pre-Calculus (3)
    - MATH1430 - Applications of Calculus I (3)
    - MATH1440 - Applications of Calculus II (3)
    - MATH1512 - Calculus I (4)
    - MATH1522 - Calculus II (4)
  - Earned a minimum grade of C in each of the following:
    - Course Not Found
    - Course Not Found
    - Course Not Found

Business Technology
BS
c
111 - Introduction to E-Commerce  

**Subject Code**  
BSTC

**Course Number**  
111

**Long Title**  
Introduction to E-Commerce

**Description**  
E-commerce concepts ranging from varieties of e-commerce to secure business transactions over the web. How to market a product over the web, basic business concepts of selling, and understanding the evolution of e-commerce.

**Credits**  
3

**Grade Mode**  
Standard

**May the course be repeated for credit?**  
Yes

**Course Level**  
Branch technical (101-2999)

BS
c
113 - Introduction to Project Management  

**Subject Code**  
BSTC

**Course Number**  
113

**Long Title**  
Introduction to Project Management

**Description**  
The course introduces and applies the concepts, techniques, and tools of project management.

**Credits**  
1

**Grade Mode**  
Standard

**May the course be repeated for credit?**  
No

**Course Level**  
Branch technical (101-2999)
BSTC114 - Customer Service And Relations

Subject Code
BSTC

Course Number
114

Long Title
Customer Service And Relations

Description
Examines techniques for successful customer service, how to handle difficult and irate customers, customer complaints, and to build relationships with internal and external clients.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

BSTC115 - Time Management

Subject Code
BSTC

Course Number
115

Long Title
Time Management

Description
Examines methods of managing personal and professional time during the workday.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
BSTC116 - Stress Management For The Workplace

**Subject Code**
BSTC

**Course Number**
116

**Long Title**
Stress Management For The Workplace

**Description**
Examines techniques and tips for managing stress in the work environment.

**Credits**
1

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

BSTC117 - Organization Skills For The Workplace

**Subject Code**
BSTC

**Course Number**
117

**Long Title**
Organization Skills For The Workplace

**Description**
Examines techniques for organizing workplace space and filing systems.

**Credits**
1

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)
BSTC118 - Conflict Resolution

Subject Code

BSTC

Course Number

118

Long Title

Conflict Resolution

Description

.

Credits

1

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)

BSTC193 - Topics

Subject Code

BSTC

Course Number

193

Long Title

Topics

Description

A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits

1 - 3

Grade Mode

Standard

May the course be repeated for credit?

Yes

How many hours can the course be repeated?

98

Course Level

Branch technical (101-2999)
BS TC202 - Microcomputer Accounting

Subject Code

BSTC

Course Number

202

Long Title

Microcomputer Accounting

Description

Course uses accounting software applications to record, classify and report business activities.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)

Prerequisites

- Earned a minimum grade of C in at least 1 of the following:
  - ACCT2110X - Principles of Accounting IA (3)
  - Course Not Found
**BSTC203 - Business Communication**

**Subject Code**
BSTC

**Course Number**
203

**Long Title**
Business Communication

**Description**
Course emphasizes theory and application of customer contact skills, questioning and listening techniques, business etiquette, multicultural awareness, letter and memorandum writing, the job application process and interviewing, and conflict resolution.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

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**BSTC204 - Human Relations in Business**

**Subject Code**
BSTC

**Course Number**
204

**Long Title**
Human Relations in Business

**Description**

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)
BSTC212 - Introduction To Income Tax

**Subject Code**
BSTC

**Course Number**
212

**Long Title**
Introduction To Income Tax

**Description**
IRS code and regulations as they pertain to the individual. Includes capital gains and losses, accounting methods, income, deductions, social security, installment sales and alternative tax methods.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

BSTC218 - Business Law

**Subject Code**
BSTC

**Course Number**
218

**Long Title**
Business Law

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - BUSA1110 - Introduction to Business (3)
  - Course Not Found
BSTC220 - Management Accounting

Subject Code
BSTC

Course Number
220

Long Title
Management Accounting

Description
Course includes the role of accounting in the management information system, collection and processing of data for management decisions. Prerequisite: (ACCT 2110 and BUSA 1110) or (ACCT 2110X and ACCT 2110Y).

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

---

BSTC292 - Topics

Subject Code
BSTC

Course Number
292

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 3

Grade Mode
Credit/No Credit

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)
BSTC293 - Topics

Subject Code

BSTC

Course Number

293

Long Title

Topics

Description

Courses on a variety of subjects offered by need and interest. Different section numbers indicate different topics. Restriction: permission of instructor.

Credits

1 - 4

Grade Mode

Standard

May the course be repeated for credit?

Yes

How many hours can the course be repeated?

98

Course Level

Branch technical (101-2999)

BSTC296L - Business Cooperative Work Phase 1, 2, or 3

Subject Code

BSTC

Course Number

296L

Long Title

Business Cooperative Work Phase 1, 2, or 3

Description

A work-study program with local businesses to give students a practical experience in a business environment. Restriction: permission of the Business Curriculum Coordinator.

Credits

1 - 3

Grade Mode

Credit/No Credit

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)
BSTC299 - Cooperative Work Experience

**Subject Code**

BSTC

**Course Number**

299

**Long Title**

Cooperative Work Experience

**Description**

Designed to give students credit for volunteer or paid work experience. Restriction: permission of instructor.

**Credits**

1 - 3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Branch technical (101-2999)

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**Certified Nurse Assistant**
CNA101 - Nursing Assistant

Subject Code
CNA

Course Number
101

Long Title
Nursing Assistant

Description
This course prepares students to provide patient care in a home, health care center, or hospital under the supervision of a professional health care provider (RN). Prepares students for the NM Nurse Aide Competency Evaluation (Prometric) exam. 128 total clock hours; 96 hours lecture/skills lab; 32 hours clinical.

Credits
8

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Complete all of the following
  - Complete 1 of the following
    - ACCUPLACER Next-Generation Sentence Skills ≥ 289 or ACT English ≥ 17 or SAT Verbal ≥ 480
    - Earned a minimum grade of C in each of the following:
      - ENGL1110X - Composition I: Stretch I (3)
  - MATH 012 or ACCUPLACER Next Generation Arithmetic ≥ 244 or ACT Math ≥ 14 or SAT Math ≥ 440

Other Restrictions
Prerequisites: Satisfactory score on placement tests for writing, reading, and mathematics: ENGL 1110X or equivalent or ACCUPLACER Next-Generation Sentence Skills ≥ 289 or ACT English ≥ 17 or SAT Verbal ≥ 480; MATH 012 or ACCUPLACER Next Generation Arithmetic ≥ 244 or ACT Math ≥ 14 or SAT Math ≥ 440. A UNM Certificate is awarded upon successful completion of this course.

Chemistry

CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors

Subject Code
CHEM

Course Number
1120C

Long Title
Introduction to Chemistry Lecture and Laboratory for Non-Majors
This course covers qualitative and quantitative areas of non-organic general chemistry for non-science majors and some health professions. Students will learn and apply principles pertaining, but not limited to, atomic and molecular structure, the periodic table, acids and bases, mass relationships, and solutions. The laboratory component introduces students to techniques for obtaining and analyzing experimental observations pertaining to chemistry using diverse methods and equipment. Three lectures, 3 hours demo lab/recitation. Credit for both this course and CHEM 1215 may not be applied toward a degree program. Credit for both this course and CHEM 1217 may not be applied toward a degree program. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Rule Not Selected

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - Course Not Found
    - Course Not Found
    - MATH1220 - College Algebra (3)
    - Course Not Found
    - MATH1240 - Pre-Calculus (3)
    - Course Not Found
    - MATH1430 - Applications of Calculus I (3)
    - Course Not Found
    - MATH1440 - Applications of Calculus II (3)
    - Course Not Found
    - MATH1512 - Calculus I (4)
    - Course Not Found
    - MATH1522 - Calculus II (4)
    - Course Not Found
    - MATH2531 - Calculus III (4)
- Or earn test score of: or ACT Math =>22 or SAT Math Section =>540.

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
CHEM1215 - General Chemistry I for STEM Majors

Subject Code
CHEM

Course Number
1215

Long Title
General Chemistry I for STEM Majors

Description
This course is intended to serve as an introduction to general chemistry for students enrolled in science, engineering, and certain pre-professional programs. Students will be introduced to several fundamental concepts, including mole, concentration, heat, atomic and molecular structure, periodicity, bonding, physical states, stoichiometry, and reactions. Credit for both this course and CHEM 1217 may not be applied toward a degree program. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - CHEM1215 - General Chemistry I for STEM Majors (3)
  - Complete 1 of the following
    - Earned a minimum grade of C in each of the following:
      - Course Not Found
    - Or earn test score of: ALEKS1 >30%

Other Restrictions
Credit for both this course and CHEM 1217 may not be applied toward a degree program.

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
CHEM1215L - General Chemistry I for STEM Majors Laboratory

Subject Code
CHEM

Course Number
1215L

Long Title
General Chemistry I for STEM Majors Laboratory

Description
The first-semester laboratory course designed to complement the theory and concepts presented in lecture. The laboratory component will introduce students to techniques for obtaining and analyzing experimental observations pertaining to chemistry using diverse methods and equipment. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Prerequisites
    - Complete 1 of the following
      - 1105 or Test Score
        - Complete 1 of the following
          - Earned a minimum grade of CR in each of the following:
            - Course Not Found
          - test score of ACT Math =>22 or SAT Math Section =>540
          - Earned a minimum grade of C in at least 1 of the following:
            - MATH1220 - College Algebra (3)
            - MATH1230 - Trigonometry (3)
            - MATH1240 - Pre-Calculus (3)
            - MATH1250 - Trigonometry and Pre-Calculus (5)
            - MATH1430 - Applications of Calculus I (3)
            - MATH1512 - Calculus I (4)
            - MATH1522 - Calculus II (4)
            - MATH2531 - Calculus III (4)
          - Or earned test score of: ACT Math=>25 or SAT Math Section =>590
        - Completed with a minimum grade of C or concurrently enrolled in at least 1 of the following:
          - CHEM1215 - General Chemistry I for STEM Majors (3)
          - Course Not Found

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
CHEM1225 - General Chemistry II for STEM Majors

Subject Code
CHEM

Course Number
1225

Long Title
General Chemistry II for STEM Majors

Description
This course is intended to serve as a continuation of general chemistry principles for students enrolled in science, engineering, and certain pre-professional programs. The course includes, but is not limited to a theoretical and quantitative coverage of solutions and their properties, kinetics, chemical equilibrium, acids and bases, entropy and free energy, electrochemistry, and nuclear chemistry. Additional topics may include (as time permits) organic, polymer, atmospheric, and biochemistry. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Complete all of the following
    - Earned a minimum grade of C in each of the following:
      - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
    - Earned a minimum grade of C in at least 1 of the following:
      - CHEM1215 - General Chemistry I for STEM Majors (3)
      - Course Not Found
    - Or earn test score of ALEKS2 =>50%.
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)

Other Restrictions
Credit for both this course and CHEM 1227 may not be applied toward a degree program.

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
CHEM1225L - General Chemistry II for STEM Majors Laboratory

Subject Code
CHEM

Course Number
1225L

Long Title
General Chemistry II for STEM Majors Laboratory

Description
The second of a two-semester sequence of laboratory courses designed to complement the theory and concepts presented in lecture. The laboratory component will introduce students to techniques for obtaining and analyzing experimental observations pertaining to chemistry using diverse methods and equipment. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - CHEM1215 - General Chemistry I for STEM Majors (3)
    - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
    - Or earned test score of ALEKS2 =>50%
  - Completed with a minimum grade of C or concurrently enrolled in at least 1 of the following:
    - CHEM1225 - General Chemistry II for STEM Majors (3)
    - Course Not Found

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
CHEM2120 - Integrated Organic Chemistry and Biochemistry

**Subject Code**
CHEM

**Course Number**
2120

**Long Title**
Integrated Organic Chemistry and Biochemistry

**Description**
Survey interrelating the major principles of organic chemistry and biochemistry with special emphasis toward interests of students in the health sciences. Credit for both this course and CHEM **301 may not be applied toward a degree program.

**Credits**
4

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors (4)
  - Course Not Found
  - CHEM1225 - General Chemistry II for STEM Majors (3)
  - Course Not Found

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**Chinese**
CHIN1110 - Mandarin Chinese I

Subject Code

CHIN

Course Number

1110

Long Title

Mandarin Chinese I

Description

This is the first semester of a two-semester sequence in first year modern standard Chinese ("Mandarin"). This course is recommended for students who have had little or no experience in the Chinese language. A beginning Mandarin Chinese course is designed to introduce the Mandarin sound system ("pinyin"), basic vocabulary, Chinese characters (either in Simplified or Traditional characters), and basic grammatical concepts and structures. In order to help beginners develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course. Credit for both this course and CHIN 1130 may not be applied toward a degree program. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area VI: UNM Second Language Requirement

Civil Engineering
CE160L - Civil Engineering Design

Subject Code  
CE

Course Number  
160L

Long Title  
Civil Engineering Design

Description  
Introduction to engineering graphics (AutoCAD), computer-aided design; introduction to civil engineering and construction.

Credits  
3

Grade Mode  
Standard

May the course be repeated for credit?  
No

Course Level  
Lower division undergraduate (100-2999)
CE202 - Engineering Statics

Subject Code
CE

Course Number
202

Long Title
Engineering Statics

Description
Statics of particles and rigid bodies in two and three dimensions using vector algebra as an analytical tool; centroids; distributed loads; trusses, frames; internal forces, friction.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - PHYS1310 - Calculus-Based Physics I (3)
  - MATH1522 - Calculus II (4)

Classics
CLST1110 - Greek Mythology

Subject Code
CLST

Course Number
1110

Long Title
Greek Mythology

Description
Introduction to mythology; primary readings in stories about the gods and heroes, usually including Homer, Hesiod, Homeric Hymns and Tragedies. All texts will be in English. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
CLST2110 - Greek Civilization

Subject Code
CLST

Course Number
2110

Long Title
Greek Civilization

Description
An interdisciplinary introduction to ancient Greece. Lectures on Greek art, history, literature and philosophy. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
CLST2120 - Roman Civilization
Subject Code
CLST
Course Number
2120
Long Title
Roman Civilization
Description
Credits
3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Lower division undergraduate (100-2999)
Gen Ed Areas & Diversity
Area V: Humanities

Communication
COMM1115 - Introduction to Communication

Subject Code
COMM

Course Number
1115

Long Title
Introduction to Communication

Description
This survey course introduces the principles of communication in the areas of interpersonal, intercultural, small group, organizational, public speaking, and mass and social media. Two hours lecture, 1 hour lab.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
COMM1130 - Public Speaking

**Subject Code**

COMM

**Course Number**

1130

**Long Title**

Public Speaking

**Description**

This course introduces the theory and fundamental principles of public speaking, emphasizing audience analysis, reasoning, the use of evidence, and effective delivery. Students will study principles of communication theory and rhetoric and apply them in the analysis, preparation and presentation of speeches, including informative, persuasive, and impromptu speeches. Meets New Mexico General Education Curriculum Area 1: Communication.

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**

Area I: Communication
COMM1150 - Introduction to Mass Communication
Subject Code
COMM
Course Number
1150
Long Title
Introduction to Mass Communication
Description
This course introduces students to the history, models, theories, concepts, and terminology of mass communication, focusing on various media and professions. The course will enable students to develop media literacy skills to interpret mass communication and understand the effects of media on society and their lives.
Credits
3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Lower division undergraduate (100-2999)

COMM1155 - Communication Across Cultures
Subject Code
COMM
Course Number
1155
Long Title
Communication Across Cultures
Description
An introduction to communication among people from different cultural backgrounds, emphasizing intercultural relations. The class seeks to identify, honor and enhance the strengths of different cultural perspectives.
Credits
3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Lower division undergraduate (100-2999)
COMM2120 - Interpersonal Communication

Subject Code
COMM

Course Number
2120

Long Title
Interpersonal Communication

Description
This course provides an introduction to the study of interpersonal communication. Students will examine the application of interpersonal communication in personal and professional relationships.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

COMM2140 - Small Group Communication

Subject Code
COMM

Course Number
2140

Long Title
Small Group Communication

Description
Explores the principles and practices of effective participation in small groups, with emphasis on critical thinking, problem solving, organizational skills, role theory, conflict resolution, and creative decision-making methods. It combines a theoretical foundation with practical application to help students better understand the dynamics of group communication in both professional and social contexts.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
COMM2150 - Communication for Teachers

**Subject Code**
COMM

**Course Number**
2150

**Long Title**
Communication for Teachers

**Description**
This course will investigate and critically evaluate the influence of identity, communication, and culture on instruction, learning, engagement, classroom community, and the teacher-student relationship.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

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COMM2996 - Topics

**Subject Code**
COMM

**Course Number**
2996

**Long Title**
Topics

**Description**
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**Credits**
1 - 6

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**How many times can the course be repeated?**
99

**Course Level**
Lower division undergraduate (100-2999)
Comparative Literature

COMP 2222 - Fairy and Folk Tales

Subject Code
COMP

Course Number
2222

Long Title
Fairy and Folk Tales

Description
An exploration of fairy and folk tales from a variety of cultures. The course introduces methods of analysis while exploring historical and contemporary roles and interrelationships of the tales. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
COMP2225 - Health, Illness and Culture

Subject Code
COMP

Course Number
2225

Long Title
Health, Illness and Culture

Description
The course explores how bodies, health, and pathology have been conceptualized in different cultures and at different times as well as how these concepts shape understandings of healthcare and health regimens. Meets New Mexico General Education Curriculum Area 1: Communication.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area I: Communication
COMP2240 - Cultures, Texts, Worlds

Subject Code
COMP

Course Number
2240

Long Title
Cultures, Texts, Worlds

Description
Multi-disciplinary course explores how literature, film and media shape identity and belonging, emphasizing cross-cultural perspectives. Explores how cultural texts confer meaning and value on human experience, shape different communities, and forge links among individuals and groups.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities

Computer Science
CS101 - Introduction To Computing Science

Subject Code
CS

Course Number
101

Long Title
Introduction To Computing Science

Description
An Introductory course covering the computer terminology, applications, and characteristics that a student would encounter in a CS degree. Students will learn introductory UNIX and how to run existing programs. Credit may not be earned for both CS 101 and CS 102.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

CS102 - Introduction To Unix

Subject Code
CS

Course Number
102

Long Title
Introduction To Unix

Description
For the computer novice. Students will be shown the UNIX commands needed in a computer-programming course. UNIX topics: electronic mail, file manipulation and creation, line/screen editors, and program compilation. Credit may not be earned for both CS 101 and CS 102. Offered on a CR/NC basis only.

Credits
1

Grade Mode
Credit/No Credit

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
CS103 - Advanced Unix

**Subject Code**
CS

**Course Number**
103

**Long Title**
Advanced Unix

**Description**
Focuses on shell scripts and shell programming, processes and job control; user tools; UNIX networking concepts; simple system administration; introduction to Perl scripting. Offered on a CR/NC basis only. Prerequisite: (101 or 102) and 151L.

**Credits**
1

**Grade Mode**
Credit/No Credit

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

**Prerequisites**
- Complete all of the following
  - Earned a minimum grade of C- in at least 1 of the following:
    - CS101 - Introduction To Computing Science (4)
    - CS102 - Introduction To Unix (1)
  - Earned a minimum grade of C- in each of the following:
    - CS152L - Computer Programming Fundamentals (3)
CS108L - Computer Science for All: An Introduction to Computational Science and Modeling

Subject Code
CS

Course Number
108L

Long Title
Computer Science for All: An Introduction to Computational Science and Modeling

Description
This course offers an introduction to computer science through modeling and simulation. Students will learn agent-based modeling of complex systems and see the applicability of computer science across fields. Course cannot apply to major in Computer Science or any other major in the School of Engineering. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
CS152L - Computer Programming Fundamentals

Subject Code
CS

Course Number
152L

Long Title
Computer Programming Fundamentals

Description
An introduction to the art of computing. The course objectives are understanding the relationships between computation, problem solving, and programming using high-level languages.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C- in at least 1 of the following:
  - Course Not Found
  - CS108L - Computer Science for All: An Introduction to Computational Science and Modeling (3)
  - Course Not Found
  - ECE131L - Programming Fundamentals (4)
  - ECE131 - Programming Fundamentals (3)
CS220 - Systems Analysis And Design

Subject Code
CS

Course Number
220

Long Title
Systems Analysis And Design

Description
An overview of the system development lifecycle. Emphasis on current system documentation through the use of classical, structured, and object-oriented tools/techniques for describing program specifications.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
♦ Earned a minimum grade of C in at least 1 of the following:
  ♦ Course Not Found
  ♦ CS152L - Computer Programming Fundamentals (3)

Other Restrictions
Students may substitute a full semester of programming for courses listed above.
CS241L - Data Organization

Subject Code
CS

Course Number
241L

Long Title
Data Organization

Description
Data representation, storage and manipulation. Covers the memory organization of data storage and its relation to computation and efficiency. Topics include: linked vs. contiguous implementations, memory management, the use of indices and pointers, and an introduction to issues raised by the memory hierarchy. Programming assignments in C provide practice with programming styles that yield efficient code and computational experiments investigate the effect of storage design choices on the running time of programs.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of B- in each of the following:
    - CS152L - Computer Programming Fundamentals (3)
  - Earned a minimum grade of C in each of the following:
    - Course Not Found
CS251L - Intermediate Programming

Subject Code
CS

Course Number
251L

Long Title
Intermediate Programming

Description
An introduction to the methods underlying modern program development. Specific topics will include object-oriented design and the development of graphical user interfaces. Programming assignments will emphasize the use of objects implemented in standard libraries. Three lectures, 1 hour recitation.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of B- in each of the following:
  - CS152L - Computer Programming Fundamentals (3)
CS261 - Mathematical Foundations of Computer Science

Subject Code
CS

Course Number
261

Long Title
Mathematical Foundations of Computer Science

Description
Introduction to the formal mathematical concepts of computer science for the beginning student. Topics include elementary logic, induction, algorithmic processes, graph theory and models of computation.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of A in each of the following:
    - MATH1240 - Pre-Calculus (3)
  - Earned a minimum grade of B- in each of the following:
    - MATH1512 - Calculus I (4)
CS293 - Social and Ethical Issues in Computing

Subject Code
CS

Course Number
293

Long Title
Social and Ethical Issues in Computing

Description
Overview of philosophical ethics, privacy and databases, intellectual property, computer security, computer crime, safety and reliability, professional responsibility and codes, electronic communities and the Internet, and social impact of computers. Students make oral presentations and produce written reports.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
CT102 - Introduction To Microcomputers On The Pc

Subject Code
CT

Course Number
102

Long Title
Introduction To Microcomputers On The Pc

Description
An overview of the use of computers and data processing in today's society. Discusses PC history, terminology, and applications. Introduces the rudiments of a word processor (Word), a PC database (Access), and a PC spreadsheet (Excel)

Credits
3 - 4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

CT106L - Microsoft Word

Subject Code
CT

Course Number
106L

Long Title
Microsoft Word

Description
Students will comprehend the use of Hardware and the application of Software on a windows platform. Students will be given exercises to acquire skills for creating, editing, saving and printing Microsoft files.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
CT111 - Introduction To Computer Aided Design And Drafting

Subject Code
CT

Course Number
111

Long Title
Introduction To Computer Aided Design And Drafting

Description
Entry-level course intended for the technician or draftsperson interested in the use of computer aided design in an engineering environment.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
CT165 - Introduction to Web Authoring

Subject Code
CT

Course Number
165

Long Title
Introduction to Web Authoring

Description
This course is an introduction to making and designing web pages using HTML generating software. Students learn how to make well-designed web pages from simple to the complex. Site creation with text, graphics, tables, Cascading Style Sheets, and simple animation effects are included. Design principles as they apply to the World Wide Web are also presented. No knowledge of HTML is required.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Also Offered as Course Number
IT 165
CT192 - Topics
Subject Code
CT
Course Number
192
Long Title
Topics
Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary. Offered on a CR/NC basis only.
Credits
1 - 3
Grade Mode
Credit/No Credit
May the course be repeated for credit?
Yes
How many hours can the course be repeated?
98
Course Level
Branch technical (101-2999)

CT193 - Topics
Subject Code
CT
Course Number
193
Long Title
Topics
Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.
Credits
1 - 3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Branch technical (101-2999)
CT202 - Applications of Spreadsheets

Subject Code
CT

Course Number
202

Long Title
Applications of Spreadsheets

Description
Introduces fundamentals of spreadsheets and spreadsheet software; formatting, formulas and functions, charts and objects, sorting and filtering, data validation, consolidated views and reports, pivot tables and charts, software auditing and collaborative tools, and integrated spreadsheet applications.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - CT102 - Introduction To Microcomputers On The Pc (3 - 4)
  - Course Not Found
  - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
  - Course Not Found
CT292L - Topics

Subject Code
CT

Course Number
292L

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

CT293 - Topics

Subject Code
CT

Course Number
293

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)
Criminal Justice

CJUS1120 - Criminal Law

Subject Code
CJUS

Course Number
1120

Long Title
Criminal Law

Description
This course covers basic principles of substantive criminal law including elements of crimes against persons, property, public order, public morality, defenses to crimes, and parties to crime. Restriction: permission of instructor.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
CJUS2130 - Police and Society

**Subject Code**
CJUS

**Course Number**
2130

**Long Title**
Police and Society

**Description**
The course presents a focused practical introduction to the key principles and practices of policing. Topics covered include issues of law enforcement fragmentation and jurisdiction, philosophies of policing, enforcement discretion, deployment strategies, use of force, personnel selection, socialization, tactics, and stress.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

CJUS2140 - Criminal Investigations

**Subject Code**
CJUS

**Course Number**
2140

**Long Title**
Criminal Investigations

**Description**
This course introduces criminal investigations within the various local, state, and federal law enforcement agencies. Emphasis is given to the theory, techniques, aids, technology, collection, and preservation procedures, which insure the evidentiary integrity. Courtroom evidentiary procedures and techniques will be introduced.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)
Dance

DANC1110 - Dance Appreciation

Subject Code
DANC

Course Number
1110

Long Title
Dance Appreciation

Description
This course introduces the student to the diverse elements that make up the world of dance, including a broad historic overview, roles of the dancer, choreographer and audience, and the evolution of the major genres. Students will learn the fundamentals of dance technique, dance history, and a variety of dance aesthetics. Course fee required. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many times can the course be repeated?
1

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VII: Arts and Design

Digital Media Arts
DMA165 - Introduction To Digital Media Arts I: Photoshop

Subject Code
DMA

Course Number
165

Long Title
Introduction To Digital Media Arts I: Photoshop

Description
This course serves as an introduction to the computer as an image-making device using raster-imaging software (Adobe Photoshop). It includes the making and manipulating of images derived from photography and other traditional media. Included also is the digital preparation of imagery for printed and display (Web) output. Prerequisite: DMA 101 and ( C T 125 or C T 122). (Previously CT 105LT or CT 120LT)

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

DMA166 - Digital Media Arts II: Illustrator

Subject Code
DMA

Course Number
166

Long Title
Digital Media Arts II: Illustrator

Description
This course is an introduction to the computer as an image-making device using vector-imaging software (Adobe Illustrator). It includes the creation and manipulation of digital imagery derived from traditional graphic design, including typography and illustration graphics. Students will design logo art and other projects aimed for printed and screen display.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
DMA193 - Topics

Subject Code
DMA

Course Number
193

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Drafting Technology

DRFT103 - Introduction to Drafting

Subject Code
DRFT

Course Number
103

Long Title
Introduction to Drafting

Description

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
DRFT115 - Auto Cad Level I

Subject Code
DRFT

Course Number
115

Long Title
Auto Cad Level I

Description
Students build CAD skills, create production drawings, and develop a CAD library of symbols.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
DRFT119 - Drafting-Blueprint Reading

Subject Code
DRFT

Course Number
119

Long Title
Drafting-Blueprint Reading

Description
Fundamentals of technical industrial communication: drafting, sketching, blueprint reading, layout work in specialized areas; visualization and interpretation of blueprints and sketches of parts, assemblies, and processes.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - DRFT103 - Introduction to Drafting (3)

Economics
ECON2110 - Macroeconomic Principles

**Subject Code**
ECON

**Course Number**
2110

**Long Title**
Macroeconomic Principles

**Description**
Macroeconomics is the study of national and global economies. Topics include output, unemployment and inflation; and how they are affected by financial systems, fiscal and monetary policies. Prerequisite for most upper-division courses. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
Area IV: Social and Behavioral Sciences
ECON2120 - Microeconomic Principles

Subject Code

ECON

Course Number

2120

Long Title

Microeconomic Principles

Description

This course will provide a broad overview of microeconomics. Microeconomics is the study of issues specific to households, firms, or industries with an emphasis on the role of markets. Topics discussed will include household and firm behavior, demand and supply, government intervention, market structures, and the efficient allocation of resources. Prerequisite for most upper division courses. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area IV: Social and Behavioral Sciences
ECON2125 - Society and Environment

Subject Code
ECON

Course Number
2125

Long Title
Society and Environment

Description
Introduces students to environmental and natural resource issues of both global and local scale. No prior economics coursework is required; basic economic tools will be introduced and then applied to a variety of environmental problems. This course will cover a variety of topics, including water and energy conservation, pollution taxes, tradable pollution permits and global warming.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ECON2130 - Personal Investing

Subject Code
ECON

Course Number
2130

Long Title
Personal Investing

Description
This is an economics course with no prerequisites. Consequently it should be considered introductory, however it offers a wide-ranging overview of personal finance and the role financial assets can play in achieving personal financial goals. This course won't make you a millionaire, nor will it prepare you for a career as a hedge-fund manager. The goal is to increase your understanding of how financial markets work, and how to use financial assets as part of a life-long financial strategy. Your understanding of financial markets will be enhanced by learning the tools of economics, incorporating knowledge of human behavior, and becoming familiar with particular aspects of financial markets and assets.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
**EDUC1120 - Introduction to Education**

**Subject Code**
EDUC

**Course Number**
1120

**Long Title**
Introduction to Education

**Description**
Introduction to the historical, philosophical, sociological foundations of education, current trends, and issues in education; especially as it relates to a multicultural environment. Students will use those foundations to develop effective strategies related to problems, issues and responsibilities in the field of education. A field component at an educational site is required.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

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**EDUC1125 - Introduction to Education in New Mexico**

**Subject Code**
EDUC

**Course Number**
1125

**Long Title**
Introduction to Education in New Mexico

**Description**
An exploration of contemporary issues around diversity, culture, and education in New Mexico. The course is of special interest to students considering a teaching career. Projects in schools and/or community sites are part of requirements.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)
EDUC2243 - Children's Literature
Subject Code
EDUC
Course Number
2243
Long Title
Children's Literature
Description
This course focuses on the building familiarity with high quality, culturally responsive, and authentic children’s literature with the purpose of supporting literacy instruction in K-8 classrooms. Students will be introduced to a range of literature and strategies for incorporating this literature into their instruction.

Credits
3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Lower division undergraduate (100-2999)

EDUC2315 - Educating Linguistically and Culturally Diverse Students
Subject Code
EDUC
Course Number
2315
Long Title
Educating Linguistically and Culturally Diverse Students
Description
Course familiarizes students with history, theory, practice, culture and politics of second language pedagogy and culturally relevant teaching. Examines theoretical and practical issues related to diversity of culture, race, gender, language, socioeconomic, and ability level in the classroom. Students will be introduced to effective teaching methods for linguistically and culturally diverse learners, including critical teaching behaviors and essential best practices for diverse students.

Credits
3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Lower division undergraduate (100-2999)
EDUC2330 - The Effective Classroom

Subject Code
EDUC

Course Number
2330

Long Title
The Effective Classroom

Description
This course is designed to prepare future teachers with the necessary classroom management skills needed for student success by providing instruction on classroom processes, techniques, and procedures. Systematic motivational strategies for a diverse student body are covered. The impact on student learning due to emotional, social, physical, and cognitive development from birth through adolescence is explored. Also covered are educational strategies to assist students with exceptional needs.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
EDUC2375 - Technology Integration in the Classroom

Subject Code
EDUC

Course Number
2375

Long Title
Technology Integration in the Classroom

Description
Students apply knowledge of learning theory to explore how to incorporate educational technology as a classroom tool in the K-12 learning environment. Students will use classroom technology to enhance curriculum development and application to the classroom. Examines the impact of technology on the changing role of the teacher.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

EDUC2420 - Teaching Reading for the Elementary Classroom

Subject Code
EDUC

Course Number
2420

Long Title
Teaching Reading for the Elementary Classroom

Description
An exploration of developmentally, culturally and linguistically appropriate, formal and informal research-based assessments and teaching strategies in the teaching of reading in grades K-8. This course includes a structured 10-hour field component.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
Electrical and Computer Engineering

ECE131L - Programming Fundamentals

Subject Code
ECE

Course Number
131L

Long Title
Programming Fundamentals

Description
Fundamental programming concepts, including consideration of abstract machine models with emphasis on the memory hierarchy, basic programming constructs, functions, parameter passing, pointers and arrays, file I/O, bit-level operations, programming in the Linux environment, and lab.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - Course Not Found
  - OR ACT Math =>25 or SAT Math Section =>590 or ACCUPLACER College-Level Math =>69 or a math course numbered higher than MATH 1220.
ECE203 - Circuit Analysis I

Subject Code
ECE

Course Number
203

Long Title
Circuit Analysis I

Description

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENG120 - Mathematics for Engineering Applications (6)
    - MATH1522 - Calculus II (4)
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - PHYS1320 - Calculus-Based Physics II (3)
ECE206L - Instrumentation

Subject Code
ECE

Course Number
206L

Long Title
Instrumentation

Description
Introduction to laboratory practices and the use of test equipment. Measurements on basic electrical components, dc and ac circuits using ohmmeters, voltmeters, ammeters and oscilloscopes. Circuit simulation.

Credits
2

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ENGL1120 - Composition II (3)
    - Or, complete one of the following: ACT English =>29 or SAT Evidence-Based Reading and Writing =>700.
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - ECE203 - Circuit Analysis I (3)
ECE213 - Circuit Analysis II

Subject Code
ECE

Course Number
213

Long Title
Circuit Analysis II

Description

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ECE203 - Circuit Analysis I (3)
  - Complete 1 of the following
    - Completed with a minimum grade of C or concurrently enrolled in all of the following:
      - Course Not Found
    - Earned a minimum grade of C in each of the following:
      - Course Not Found
      - Course Not Found
ECE238L - Computer Logic Design

Subject Code
ECE

Course Number
238L

Long Title
Computer Logic Design

Description

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - ECE131L - Programming Fundamentals (4)
  - CS152L - Computer Programming Fundamentals (3)

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Electronics Technology
ELCT101L - DC Circuit Analysis

Subject Code
ELCT

Course Number
101L

Long Title
DC Circuit Analysis

Description
Basic elements of DC electrical and electronic circuits, circuit analysis, measurement, and circuit design. Study of circuit network theorems and their applications to design techniques. Study of conductors and insulators.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - MATH1215 - Intermediate Algebra (3)
  - Earned a minimum grade of C in each of the following:
    - Course Not Found
    - Course Not Found
    - Course Not Found
ELCT102L - AC Circuit Analysis

Subject Code
ELCT

Course Number
102L

Long Title
AC Circuit Analysis

Description
AC electrical and electronic components, including inductance, capacitance, resonance, filters, RC and LR time constants. Study of reactance, impedance, complex numbers, AC network analysis, magnetism, and simple power supplies. Introduction to rotating electrical machines, both AC and DC.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ELCT101L - DC Circuit Analysis (4)
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - MATH1230 - Trigonometry (3)
ELCT103 - Mechanical Systems

Subject Code
ELCT

Course Number
103

Long Title
Mechanical Systems

Description
This course covers vacuum, cryogenic, and hydraulic technologies and systems. Provide basic understanding of the design, assembly, and operations of mechanical systems typically found in industrial applications.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

ELCT105L - Industrial Shop Practice

Subject Code
ELCT

Course Number
105L

Long Title
Industrial Shop Practice

Description
Principles of and practice with hand and machine tools used by electromechanical technicians. Includes operation of lathe and milling machines, drilling, welding, sawing, grinding, soldering, brazing, measurements, sheet metal work, benchwork, or other appropriate operations.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
ELCT137 - Digital Electronics I (combinational Logic)

**Subject Code**
ELCT

**Course Number**
137

**Long Title**
Digital Electronics I (combinational Logic)

**Description**

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

**Prerequisites**
- Earned a minimum grade of C in each of the following:
  - ELCT101L - DC Circuit Analysis (4)
ELCT162 - Robotics

Subject Code

ELCT

Course Number

162

Long Title

Robotics

Description

This course covers designing, building, and programming NXT style robots. It includes autonomous robotics, light, sound, touch and ultrasonic sensors, computer programming, problem solving, and remote control robotics.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)
ELCT163 - Advanced Robotics

Subject Code
ELCT

Course Number
163

Long Title
Advanced Robotics

Description
This course covers more advanced robotics concepts, including designing, building, testing, and refining a prototype using engineering design process. Topics include remote control robotics, robotic electronics, remote video navigation, autonomous robotics, more advanced programming techniques.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ELCT162 - Robotics (3)
ELCT192L - Topics

Subject Code
ELCT

Course Number
192L

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)

ELCT193 - Topics

Subject Code
ELCT

Course Number
193

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
ELCT203L - Electronic Devices

Subject Code
ELCT

Course Number
203L

Long Title
Electronic Devices

Description

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ELCT102L - AC Circuit Analysis (4)
ELCT204L - Electronics Lab

Subject Code
ELCT

Course Number
204L

Long Title
Electronics Lab

Description

Credits
2

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ELCT203L - Electronic Devices (4)
EXCT264 - Advanced Robotics II

**Subject Code**
ELCT

**Course Number**
264

**Long Title**
Advanced Robotics II

**Description**
This course covers advanced topics in robotics, including: advanced robotic platform design and construction, remote control electronics, servo controlled mechanisms, and remote wireless video applications.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

**Prerequisites**
- Earned a minimum grade of C in each of the following:
  - ELCT163 - Advanced Robotics (3)

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**Emergency Medicine**
EMS106 - Emergency Medical Responder

Subject Code
EMS

Course Number
106

Long Title
Emergency Medical Responder

Description
This 80-hour course is designed specifically for personnel who are first at the scene of an accident or emergency. This course offers a foundation for entry-level and advanced EMS courses.

Credits
6

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
EMS113 - EMT-Basic

**Subject Code**
EMS

**Course Number**
113

**Long Title**
EMT-Basic

**Description**
Meets the 1998 EMT-Basic National Standard Curriculum requirements and incorporates New Mexico EMT-B scope of practice. Provides lecture instruction to prepare the student to sit for New Mexico and National Registry testing.

**Credits**
8

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Corequisites**
- Concurrently enrolled in:
  - EMS142 - EMT-Basic Lab (2)
EMS120 - Introduction to EMS System

**Subject Code**
EMS

**Course Number**
120

**Long Title**
Introduction to EMS System

**Description**
Covers the history of emergency medical services and the development of EMS systems and current trends and issues in EMS. Ideal for students considering a career in EMS.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)
EMS142 - EMT-Basic Lab

**Subject Code**
EMS

**Course Number**
142

**Long Title**
EMT-Basic Lab

**Description**
Meets the 1998 EMT-Basic National Standard Curriculum requirements and incorporates New Mexico EMT-B scope of practice. Provides lab instruction to prepare the student to sit for New Mexico and National Registry testing.

**Credits**
2

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Corequisites**
- Concurrently enrolled in:
  - EMS113 - EMT-Basic (8)
EMS143 - EMT-Intermediate Lab

Subject Code
EMS

Course Number
143

Long Title
EMT-Intermediate Lab

Description
Meets New Mexico requirements for EMT-Intermediate skills training, including intravenous fluid administration and pharmacology.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Concurrently enrolled in:
  - EMS180 - EMT-Intermediate (5)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - EMS113 - EMT-Basic (8)
  - EMS142 - EMT-Basic Lab (2)

Other Restrictions
Restriction: program permission.
EMS151 - EMT-I Clinical and Field Experience

Subject Code
EMS

Course Number
151

Long Title
EMT-I Clinical and Field Experience

Description
Meets New Mexico requirements for EMT-Intermediate field and clinical training, including emergency department and prehospital experience.

Credits
2

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Concurrently enrolled in:
  - EMS143 - EMT-Intermediate Lab (1)
  - EMS180 - EMT-Intermediate (5)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - EMS113 - EMT-Basic (8)
  - EMS142 - EMT-Basic Lab (2)

Other Restrictions
Restriction: program permission.
EMS180 - EMT-Intermediate

Subject Code
EMS

Course Number
180

Long Title
EMT-Intermediate

Description
Meets New Mexico requirements for EMT-Intermediate lecture content, including intravenous fluid administration and pharmacology.

Credits
5

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Concurrently enrolled in:
  - EMS143 - EMT-Intermediate Lab (1)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - EMS113 - EMT-Basic (8)
  - EMS142 - EMT-Basic Lab (2)

Other Restrictions
Restriction: program permission.
EMS193 - Topics

Subject Code
EMS

Course Number
193

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Lower division undergraduate (100-2999)
EMS200 - Medical Mathematics

Subject Code
EMS

Course Number
200

Long Title
Medical Mathematics

Description
Medical calculations for paramedics. Students will be able to perform all common medical calculations at the paramedic level, including converting units, properly manipulating decimals and fractions, and finding volumes, dosages and rates. Prerequisite: MATH 121. Restriction: permission of instructor.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - Course Not Found

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Engineering
ENG116 - Introduction to Engineering

Subject Code
ENG

Course Number
116

Long Title
Introduction to Engineering

Description
Description of the engineering profession, orientation to engineering education, introduction to the engineering design process. Does not count toward degree credit in the College of Arts and Sciences or in the School of Engineering. Two hours lecture and demonstrations.

Credits
0 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
6

Course Level
Lower division undergraduate (100-2999)
ENG120 - Mathematics for Engineering Applications

Subject Code
ENG

Course Number
120

Long Title
Mathematics for Engineering Applications

Description
Provides an overview of basic engineering math topics necessary for success in second year engineering courses. Topics are presented in the context of engineering applications, and reinforced through labs and examples from core engineering courses.

Credits
6

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - Course Not Found
  - OR ACT Math =>25 or SAT Math Section =>590 or ACCUPLACER Next-Generation Advanced Algebra and Functions =249-283.
ENG130L - Introduction to Engineering Computing

Subject Code
ENG

Course Number
130L

Long Title
Introduction to Engineering Computing

Description
Introduction to the use of computing to solve engineering problems. Students learn computer programming fundamentals and learn to use a numerical computing environment (e.g. MATLAB). Applications to engineering problems are explored.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ENG195 - Special Topics

Subject Code
ENG

Course Number
195

Long Title
Special Topics

Description
Selected topics in interdisciplinary engineering or computer science at an introductory level.

Credits
1 - 6

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many times can the course be repeated?
1

How many hours can the course be repeated?
6

Course Level
Lower division undergraduate (100-2999)
ENG200 - Technology in Society

Subject Code
ENG

Course Number
200

Long Title
Technology in Society

Description
This is an introduction to the ways in which technology shapes the world—and is itself shaped by society, culture, politics, economics and history. Topics include industrialization, technological changes, cultural impact, environmental policies and social and ethical responsibilities. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences

English
ENGL1110 - Composition I

Subject Code
ENGL

Course Number
1110

Long Title
Composition I

Description
Covers Composition I: Stretch I and II in one semester. In this course, students will read, write, and think about a variety of issues and texts. They will develop reading and writing skills that will help with the writing required in their fields of study and other personal and professional contexts. Students will learn to analyze rhetorical situations in terms of audience, contexts, purpose, mediums, and technologies and apply this knowledge to their reading and writing. They will also gain an understanding of how writing and other modes of communication work together for rhetorical purposes. Students will learn to analyze the rhetorical context of any writing task and compose with purpose, audience, and genre in mind. Students will reflect on their own writing processes, learn to workshop drafts with other writers, and practice techniques for writing, revising, and editing. Meets New Mexico General Education Curriculum Area 1: Communication.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- ACT English =16-25 or SAT Evidence-Based Reading and Writing =450-659 or ACCUPLACER Next-Generation Writing =>279 or Lobo Course Placement (LCP)-English =20.

Gen Ed Areas & Diversity
Area I: Communication
ENGL 1110X - Composition I: Stretch I

Subject Code
ENGL

Course Number
1110X

Long Title
Composition I: Stretch I

Description
First semester of Composition I stretch sequence. Focuses on analyzing rhetorical situations and responding with appropriate genres and technologies. (EPW) This is the first course in a two-part sequence. In order to receive transfer credit for ENGL 1110, all courses in this sequence (ENGL 1110X, ENGL 1110Y) must be taken and passed. Credit for both this course and ENGL 1110 may not be applied toward a degree program. Students with ACT English <16 or SAT Evidence-Based Reading and Writing <450 or Next Generation ACCUPLACER Writing <279 or Lobo Course Placement (LCP)-English =10 will begin their English Composition Sequence with ENGL 1110X.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ENGL1110Y - Composition I: Stretch II

Subject Code
ENGL

Course Number
1110Y

Long Title
Composition I: Stretch II

Description
Second semester of Composition I stretch sequence. Focuses on analyzing rhetorical situations and responding with appropriate genres and technologies. This is the the second course in a two-part sequence. In order to receive transfer credit for ENGL 1110, all courses in this sequence (ENGL 1110X, ENGL 1110Y) must be taken and passed. Prerequisite: 1110X.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - ENGL1110X - Composition I: Stretch I (3)
  - Course Not Found
ENGL1120 - Composition II

Subject Code
ENGL

Course Number
1120

Long Title
Composition II

Description
In this course, students will explore argument in multiple genres. Research and writing practices emphasize summary, analysis, evaluation, and integration of secondary sources. Students will analyze rhetorical situations in terms of audience, contexts, purpose, mediums, and technologies and apply this knowledge to their reading, writing, and research. Students will sharpen their understanding of how writing and other modes of communication work together for rhetorical purposes. The emphasis of this course will be on research methods. Meets New Mexico General Education Curriculum Area 1: Communication.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENGL1110 - Composition I (3)
    - Course Not Found
    - ENGL1110Y - Composition I: Stretch II (3)
    - Course Not Found
    - Course Not Found
    - Course Not Found
  - ACT English =26-28 or SAT Evidence-Based Reading and Writing =660-690 or Lobo Course Placement (LCP)-English =30.

Gen Ed Areas & Diversity
Area I: Communication
ENGL1210 - Technical Communications

**Subject Code**

ENGL

**Course Number**

1210

**Long Title**

Technical Communications

**Description**

This is an introductory study of written and verbal communications used in the technical professions with emphasis in the planning, execution, and editing of professional and technical documents and other communication media.

**Credits**

1 - 4

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Prerequisites**

- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENGL1110 - Composition I (3)
    - ENGL1110Y - Composition I: Stretch II (3)
    - Course Not Found
  - or ACT English =>25 or SAT Evidence-Based Reading and Writing =>660.
ENGL1410 - Introduction to Literature

**Subject Code**
ENGL

**Course Number**
1410

**Long Title**
Introduction to Literature

**Description**
In this course, students will examine a variety of literary genres, including fiction, poetry, and drama. Students will identify common literary elements in each genre, understanding how specific elements influence meaning. Meets New Mexico General Education Curriculum Area 5: Humanities.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
Area V: Humanities
ENGL2110 - Traditional Grammar

Subject Code
ENGL

Course Number
2110

Long Title
Traditional Grammar

Description
This course surveys traditional grammar, introducing linguistic terminology and methods for identifying and understanding parts of speech, parts of sentences and basic sentence patterns. The course presents terminology and methods designed to increase the student’s understanding of the structure of the language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ENGL2120 - Intermediate Composition

Subject Code
ENGL

Course Number
2120

Long Title
Intermediate Composition

Description
This course builds upon and refines the writing skills acquired in previous writing courses, with a focus on non-fiction prose. Research, composition, exposition and presentation abilities will be practiced and developed. Through analysis and revision, students will develop strategies to improve the versatility and impact of their writing. Course topics and emphases may vary by section. Meets New Mexico General Education Curriculum Area 1: Communication.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENGL1120 - Composition II (3)
    - Course Not Found
  - ACT English =>29 or SAT Evidence-Based Reading and Writing =>700

Gen Ed Areas & Diversity
Area I: Communication
ENGL2210 - Professional and Technical Communication

Subject Code
ENGL

Course Number
2210

Long Title
Professional and Technical Communication

Description
This course will introduce students to the different types of documents and correspondence that they will create in their professional careers. This course emphasizes the importance of audience, document design, and the use of technology in designing, developing, and delivering documents. This course will provide students with experience in professional correspondence and communicating technical information to a non-technical audience. Meets New Mexico General Education Curriculum Area 1: Communication.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENGL1120 - Composition II (3)
    - Course Not Found
  - ACT English =>29 or SAT Evidence-Based Reading and Writing =>700.

Gen Ed Areas & Diversity
Area I: Communication
ENGL2220 - Introduction to Professional Writing

Subject Code
ENGL

Course Number
2220

Long Title
Introduction to Professional Writing

Description
Introductory course in the professional writing concentration. Study of technical writing, public information and public relations writing and freelance nonfiction writing.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENGL1120 - Composition II (3)
    - Course Not Found
  - OR ACT English =>29 or SAT Evidence-Based Reading and Writing =>700.
ENGL2310 - Introduction to Creative Writing

Subject Code
ENGL

Course Number
2310

Long Title
Introduction to Creative Writing

Description
This course will introduce students to the basic elements of creative writing, including short fiction, poetry, and creative nonfiction. Students will read and study published works as models, but the focus of this "workshop" course is on students revising and reflecting on their own writing. Throughout this course, students will be expected to read poetry, fiction, and non-fiction closely, and analyze the craft features employed. They will be expected to write frequently in each of these genres.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENGL1110 - Composition I (3)
    - ENGL1110Y - Composition I: Stretch II (3)
    - Course Not Found
  - ACT English =26-28 or SAT Evidence-Based Reading and Writing =660-690.
ENGL2510 - Analysis of Literature

Subject Code
ENGL

Course Number
2510

Long Title
Analysis of Literature

Description
This course is an introduction to literary analysis and writing applied to literary techniques, conventions, and themes. Students will learn how to write focused literary analyses, demonstrating their understanding of biographical, critical, cultural, and historical contexts of various writers and genres. Students will also learn proper documentation, as well as other skills, such as quoting, paraphrasing, and integrating sources, both primary and secondary.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - ENGL1120 - Composition II (3)
  - ACT English =>29 or SAT Evidence-Based Reading and Writing =>700.
ENGL2540 - Introduction to Chicanx Literature

**Subject Code**
ENGL

**Course Number**
2540

**Long Title**
Introduction to Chicanx Literature

**Description**
This course examines a variety of literary genres to explore the historical development of Chicanx social and literary identities. This survey offers an overview of the history of Chicanx literature, introducing the major trends and placing them into an historical framework.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
UNM Diversity, Equity, Inclusion, and Power Requirement
ENGL2560 - Introduction to Native American Literature

Subject Code
ENGL

Course Number
2560

Long Title
Introduction to Native American Literature

Description
This course will introduce students to the literature produced by Native American authors as well as explore issues relevant to the study of Native American literature. The course will also introduce the basic elements of literary analysis.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

ENGL2610 - American Literature I

Subject Code
ENGL

Course Number
2610

Long Title
American Literature I

Description
This course surveys American literature from the colonial period to the mid-nineteenth century. This course provides students with the contexts and documents necessary to understand the origins of American Literature and the aesthetic, cultural, and ideological debates central to early American culture.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ENGL2620 - American Literature II

Subject Code
ENGL

Course Number
2620

Long Title
American Literature II

Description
This course surveys American literature from the mid-nineteenth-century to the contemporary period. This course provides students with the contexts and documents necessary to understand American Literature and the aesthetic, cultural, and ideological debates central to American culture.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

ENGL2630 - British Literature I

Subject Code
ENGL

Course Number
2630

Long Title
British Literature I

Description
This course offers a study of British literature from its origins in Old English to the 18th century. This survey covers specific literary works—essays, short stories, novels, poems, and plays—as well as the social, cultural, and intellectual currents that influenced the literature.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ENGL2640 - British Literature II

Subject Code
ENGL

Course Number
2640

Long Title
British Literature II

Description
This course offers a study of British literature from the 18th century to the present. This survey covers specific literary works—short stories, novels, poems, and plays—as well as the social, cultural, and intellectual currents that influenced the literature.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
ENGL2650 - World Literature I

Subject Code
ENGL

Course Number
2650

Long Title
World Literature I

Description
In this course, students will read representative world masterpieces from ancient, medieval, and Renaissance literature. Students will broaden their understanding of literature and their knowledge of other cultures through exploration of how literature represents individuals, ideas and customs of world cultures. The course focuses strongly on examining the ways literature and culture intersect and define each other. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
UNM Diversity, Equity, Inclusion, and Power Requirement
ENGL2660 - World Literature II  

Subject Code  
ENGL  

Course Number  
2660  

Long Title  
World Literature II  

Description  
In this course, students will read representative world masterpieces from the 1600s to the present. Students will broaden their understanding of literature and their knowledge of other cultures through exploration of how literature represents individuals, ideas and customs of world cultures. The course focuses strongly on examining the ways literature and culture intersect and define each other. Meets New Mexico General Education Curriculum Area 5: Humanities.  

Credits  
3  

Grade Mode  
Standard  

May the course be repeated for credit?  
No  

Course Level  
Lower division undergraduate (100-2999)  

Gen Ed Areas & Diversity  
Area V: Humanities  
UNM Diversity, Equity, Inclusion, and Power Requirement
ENGL2670 - African American Literature

**Subject Code**
ENGL

**Course Number**
2670

**Long Title**
African American Literature

**Description**
The course introduces students to the African-American classics of the slavery era. Daily experiences of the characters in these books become the basis for discussing race, class, gender, revolt, freedom, peace and humanity.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
UNM Diversity, Equity, Inclusion, and Power Requirement
ENGL2993 - Workshop

Subject Code
ENGL

Course Number
2993

Long Title
Workshop

Description
Various topics in literature, language and writing.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
6

Course Level
Lower division undergraduate (100-2999)
ENGL2996 - Topics

**Subject Code**
ENGL

**Course Number**
2996

**Long Title**
Topics

**Description**
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
Yes

**How many times can the course be repeated?**
2

**Course Level**
Lower division undergraduate (100-2999)

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**Environmental Science**
ENVS1130 - The Blue Planet

Subject Code
ENVS

Course Number
1130

Long Title
The Blue Planet

Description
To understand global change and environmental concerns, this course weaves together an understanding of Earth's lithosphere, atmosphere and oceans and how ecosystems are linked to the physical environment. Students are encouraged, but not required, to enroll concurrently in 1130L. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
ENVS1130L - The Blue Planet Laboratory

**Subject Code**
ENVS

**Course Number**
1130L

**Long Title**
The Blue Planet Laboratory

**Description**
In this course, students will often work together to collect data and students are encouraged to discuss their observations and ideas, but students are expected to write their own answers in their own words on their worksheets. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

**Credits**
1

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - ENVS1130 - The Blue Planet (3)

**Gen Ed Areas & Diversity**
Area III: Physical and Natural Sciences

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**Film & Digital Media Arts**
FDMA1515 - Intro to Digital Image Editing - Photoshop

Subject Code
FDMA

Course Number
1515

Long Title
Intro to Digital Image Editing - Photoshop

Description
In this course, students will learn how to use the tools in Adobe Photoshop to create new images and edit existing images. Tools used will include selections, layers, and adjustments, among other pixel editing tools. Basic composition and output will be emphasized in all projects.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
FDMA2110 - Introduction to Film Studies

Subject Code
FDMA

Course Number
2110

Long Title
Introduction to Film Studies

Description
This course introduces students to the fundamentals in film history, criticism, and theory. Though viewing and analysis of a variety of narrative, documentary, and experimental films, students will advance their understanding of key issues in filmic representation and aesthetics. A range of approaches will be employed in understanding the aesthetic and cultural significance of the medium, including feminism, post-colonialism, critical race theory, and modernism. Special fee required. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VII: Arts and Design
FDMA2195 - Beyond Hollywood

Subject Code
FDMA

Course Number
2195

Long Title
Beyond Hollywood

Description
This course concentrates on the representation of children and adolescents in world cinema. The portrayal of children throughout world cinema has a long and rich complex history, which has been primarily shaped by family and national structures. Through film screenings, readings, and discussions class will center on the exploration of what it means to look at children and what cultural baggage are their bodies asked to carry. Also, what impact do national and global politics have on the lives of children? Through the establishment and use of basic vocabulary and analytic methodologies of film studies, larger theoretical and practical questions about how cinema functions as a cultural and ideological force, especially how it helps to construct ideas about the family, the nation, and national identities will be addressed. Class screenings will cover a breadth of children and adolescents in world cinema but readings, discussions, and outside film viewings will provide a more comprehensive overall picture. Course fee required.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
FA229 - Topics

Subject Code
FA

Course Number
229

Long Title
Topics

Description
Interdisciplinary topics in fine arts.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Lower division undergraduate (100-2999)

FA284 - Experiencing the Arts

Subject Code
FA

Course Number
284

Long Title
Experiencing the Arts

Description
Explores fundamental connections and differences among artistic media through readings, lectures, attendance at artistic exhibits and events, and discussions with creators of collaborative works of art.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Fire Science

FISC101 - Principles of Emergency Services

Subject Code
FISC

Course Number
101

Long Title
Principles of Emergency Services

Description
Fire protection, emergency services overview; careers; culture; history; fire-loss analysis; organization, functions of fire protection services; fire departments; laws, regulations; nomenclature; fire protection functions; fire chemistry and physics; protection systems; strategy and tactics; safety initiatives.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
FISC102 - Fire Prevention

Subject Code
FISC

Course Number
102

Long Title
Fire Prevention

Description
Fundamental knowledge of fire prevention. Includes history and philosophy of fire prevention; organization, operation of fire prevention bureau; use, application of codes, standards; plans review; fire inspections; fire and life safety education; fire investigation.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

FISC103 - Hazardous Materials

Subject Code
FISC

Course Number
103

Long Title
Hazardous Materials

Description
Introduces hazardous materials incidents, recognizing and identifying hazardous materials, planning response, implementing response procedures, decision making, and continued evaluation at the awareness and operation level.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
FISC104 - Wildland Firefighting

Subject Code
FISC

Course Number
104

Long Title
Wildland Firefighting

Description
Covers all aspects of wildland firefighting; introduces new advances in technology for wildland fire suppression, advances in technology for wildland fire suppression, the use of GPS, includes basic skills needed for wildland firefighting.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

FISC105 - Principles of Fire and Emergency Services Safety and Survival

Subject Code
FISC

Course Number
105

Long Title
Principles of Fire and Emergency Services Safety and Survival

Description
Introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
FISC106 - Fire Behavior and Combustion

Subject Code
FISC

Course Number
106

Long Title
Fire Behavior and Combustion

Description
Explores the theories and fundamentals of how and why fires start, spread, and are controlled.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

FISC201 - Fire Protection Systems

Subject Code
FISC

Course Number
201

Long Title
Fire Protection Systems

Description
Provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
FISC202 - Fire Administration I

Subject Code
FISC

Course Number
202

Long Title
Fire Administration I

Description
Introduces student to organization and management of fire and emergency services department and relationship of government agencies to fire service. Emphasis on fire and emergency service, ethics, and leadership from perspective of company officer. Prerequisite: 101.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - FISC101 - Principles of Emergency Services (3)
FISC210 - Incident Safety Officer

Subject Code
FISC

Course Number
210

Long Title
Incident Safety Officer

Description
Critical skills needed to be a proficient safety officer; teaches specific job functions in NFPA 1521: Standard for Fire Department Safety Officer; response to hazardous materials incidents, technical rescue, wildland fire and other disasters. Prerequisite: 202.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - FISC202 - Fire Administration I (3)
FISC212 - Building Construction for Fire Prevention

Subject Code
FISC

Course Number
212

Long Title
Building Construction for Fire Prevention

Description
Components of building construction related to firefighter and life safety. Elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies. Prerequisite: 101.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - FISC101 - Principles of Emergency Services (3)
FISC220 - Fire Protection Hydraulics and Water Supply

Subject Code
FISC

Course Number
220

Long Title
Fire Protection Hydraulics and Water Supply

Description
Provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems. Prerequisite: MATH 1215 or (MATH 1215X and MATH 1215Y and MATH 1215Z).

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - MATH1215 - Intermediate Algebra (3)
  - Or, complete all the following courses:
    - Earned a minimum grade of C in each of the following:
      - Course Not Found
      - Course Not Found
      - Course Not Found
FISC225 - Strategies and Tactics

Subject Code
FISC

Course Number
225

Long Title
Strategies and Tactics

Description
This course provides the principles of fire ground control through utilization of personnel, equipment and extinguishing agents. Prerequisite: 101.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - FISC101 - Principles of Emergency Services (3)

First Year Experience
FYEX1010 - Foundational Math
Subject Code
FYEX
Course Number
1010
Long Title
Foundational Math
Description
This course is designed to prepare students for college-level mathematics courses by strengthening key mathematical concepts. It addresses the transition from high school to college and incorporates strategies needed for problem solving.
Credits
3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Lower division undergraduate (100-2999)

FYEX1030 - Critical Text Analysis
Subject Code
FYEX
Course Number
1030
Long Title
Critical Text Analysis
Description
This course presents the reading process including study reading, critical thinking and analysis. It addresses the transition from high school to college and incorporates strategies needed for problem solving.
Credits
1 - 3
Grade Mode
Standard
May the course be repeated for credit?
No
Course Level
Lower division undergraduate (100-2999)
FYEX1110 - First-Year Seminar

Subject Code
FYEX

Course Number
1110

Long Title
First-Year Seminar

Description
This course is designed to help students achieve greater success in college and in life. Students will learn many proven strategies for creating greater academic, professional, and personal success. Topics may include career exploration, time management, study and test-taking strategies to adapt to different learning environments, interpersonal relationships, wellness management, financial literacy, and campus and community resources.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
6

Course Level
Lower division undergraduate (100-2999)

French
FREN1110 - French I

Subject Code
FREN

Course Number
1110

Long Title
French I

Description
Intended for students with no previous exposure to French, this course develops basic listening, speaking, reading, and writing skills aiming toward the ACTFL novice-high level. This is an introductory course designed to teach the student to communicate in French in everyday situations and to develop an understanding of French and Francophone cultures through the identification of cultural products and practices, of cultural perspectives, and the ability to function at a survival level in an authentic cultural content. This course will also develop the student’s sense of personal and social responsibility through the identification of social issues. Conducted in French. Credit for both this course and FREN 1150 may not be applied toward a degree program. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
FREN1120 - French II

Subject Code
FREN

Course Number
1120

Long Title
French II

Description
A continuation of 1110, students will develop a broader foundation in skills gained during the first semester, including understanding, speaking, reading and writing French aiming toward the ACTFL intermediate-low level. This course is designed to increase student fluency in French as applied to everyday situations. Students will also learn to recognize and understand various French and Francophone products, practices, and perspectives, identifying common cultural patterns, describing basic cultural viewpoints, and further developing their sense of personal and social responsibility through the investigation of cultural issues. Conducted in French. Credit for both this course and FREN 1150 may not be applied toward a degree program. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement

General Studies
GNST192 - Topics

Subject Code

GNST

Course Number

192

Long Title

Topics

Description

A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary. Offered on a CR/NC basis only.

Credits

1 - 3

Grade Mode

Credit/No Credit

May the course be repeated for credit?

Yes

How many hours can the course be repeated?

98

Course Level

Branch technical (101-2999)
GNST193 - Topics

Subject Code
GNST

Course Number
193

Long Title
Topics

Description
Titles will vary.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)
GNST292 - Topics

Subject Code
GNST

Course Number
292

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary. Offered on a CR/NC basis only.

Credits
1 - 3

Grade Mode
Credit/No Credit

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)
GNST293 - Topics

**Subject Code**
GNST

**Course Number**
293

**Long Title**
Topics

**Description**
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.

**Credits**
1 - 4

**Grade Mode**
Standard

**May the course be repeated for credit?**
Yes

**How many hours can the course be repeated?**
6

**Course Level**
Branch technical (101-2999)

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**Geography & Environmental Studies**
GEOG1160 - Home Planet: Land, Water, Life

Subject Code
GEOG

Course Number
1160

Long Title
Home Planet: Land, Water, Life

Description
This course introduces the physical elements of world geography through the study of climate and weather, vegetation, soils, plate tectonics, and the various types of landforms as well as the environmental cycles and the distributions of these components and their significance to humans. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
GEOG1160L - Home Planet Laboratory

**Subject Code**
GEOG

**Course Number**
1160L

**Long Title**
Home Planet Laboratory

**Description**

**Credits**
1

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - GEOG1160 - Home Planet: Land, Water, Life  (3)

**Gen Ed Areas & Diversity**
Area III: Physical and Natural Sciences
GEOG1165 - People and Place

Subject Code
GEOG

Course Number
1165

Long Title
People and Place

Description
By focusing on issues of globalization, this course provides an overview of core concepts from human geography, including systematic analyses of economic, political, and cultural geography. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences
UNM Diversity, Equity, Inclusion, and Power Requirement
GEOG1175 - World Regional Geography

Subject Code
GEOG

Course Number
1175

Long Title
World Regional Geography

Description
The regional geography of the world. Both physical and human aspects are studied along with current economic and political problems. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
UNM Diversity, Equity, Inclusion, and Power Requirement

Geology
GEOL1110 - Physical Geology

**Subject Code**

GEOL

**Course Number**

1110

**Long Title**

Physical Geology

**Description**

This course is an introduction to our dynamic Earth, introducing students to the materials that make up Earth (rocks and minerals) and the processes that create and modify the features of our planet. The course will help students learn how mountains are formed, how volcanoes erupt, where earthquakes occur, and how water, wind, and ice can shape the landscape. Students will also develop a basic understanding of the ways humans have altered the planet including our impact on natural resources and global climate change. Students are encouraged but not required to enroll concurrently in 1110L. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**

Area III: Physical and Natural Sciences
GEOL1110L - Physical Geology Lab

Subject Code
GEOL

Course Number
1110L

Long Title
Physical Geology Lab

Description
Students will learn to identify rocks and minerals in hand samples, work with topographic maps, geologic maps, and geologic cross-sections, and apply stratigraphic principles to explore geologic time. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - GEOL1110 - Physical Geology (3)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
GEOL2110C - Historical Geology Lecture and Laboratory

Subject Code
GEOL

Course Number
2110C

Long Title
Historical Geology Lecture and Laboratory

Description
Origin and history of the earth including age of the planet and dating of rocks, changing configurations of oceans and continents as a result of plate tectonics, records of climate change, history of formation and erosion of mountain chains, origin and evolution of life and causes of extinction. Required field trip and lab exercises permit understanding of how Earth history is interpreted from the geologic rock record. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - GEOL1110 - Physical Geology (3)
    - ENVS1130 - The Blue Planet (3)
  - Completed with a minimum grade of C or concurrently enrolled in at least 1 of the following:
    - GEOL1110L - Physical Geology Lab (1)
    - ENVS1130L - The Blue Planet Laboratory (1)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
GEOL2130 - Introduction to Meteorology

Subject Code
GEOL

Course Number
2130

Long Title
Introduction to Meteorology

Description
Introduction to Earth's atmosphere and the dynamic world of weather as it happens. Working with current meteorological data delivered via the Internet and coordinated with learning investigations keyed to the current weather; and via study of select archives.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
GEOL2996 - Topics

Subject Code

GEOL

Course Number

2996

Long Title

Topics

Description

Eight- to 16-week courses on selected topics relating directly to the human experience, e.g., Volcanoes, Extinctions, Weather, Earthquakes, New Mexico's Water, Soils, Nuclear Hazards,Geomagnetism, Albuquerque Field Geology and the Geology of Everyday Life.

Credits

1 - 3

Grade Mode

Standard

May the course be repeated for credit?

Yes

How many hours can the course be repeated?

3

Course Level

Lower division undergraduate (100-2999)

German
Intended for students with no previous exposure to German, this course develops basic listening, speaking, reading, and writing skills aiming toward the ACTFL novice-mid level. This is an introductory course designed to teach the student to communicate in German in everyday situations and to develop an understanding of German cultures through the identification of cultural products and practices, of cultural perspectives, and the ability to function at a survival level in an authentic cultural content. This course will also develop the student's sense of personal and social responsibility through the identification of social issues. Meets University of New Mexico General Education Curriculum Area 6: Second Language.
GRMN1120 - German II

Subject Code
GRMN

Course Number
1120

Long Title
German II

Description
Continuation of 1110. Students will develop a broader foundation in skills gained during the first semester, including understanding, speaking, reading and writing German aiming toward the ACTFL novice-high level. This course is designed to increase student fluency in German as applied to everyday situations. Students will also learn to recognize and understand various German products, practices, and perspectives, identifying common cultural patterns, describing basic cultural viewpoints, and further developing their sense of personal and social responsibility through the investigation of cultural issues. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement

Greek
**Description**

This course serves as an introduction to the fundamentals of the historic Greek language and culture. The aims of this course are to acquire basic skills in reading, writing, and comprehension in order to read authentic Greek texts with the help of a dictionary. Students will also study the history of the Greek language, texts, and culture. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**

Area VI: UNM Second Language Requirement
Description
This course continues the study of the historic Greek language and culture. The aims of this course are to continue to build basic skills in reading, writing, and comprehension in order to read authentic Greek texts with the help of a dictionary. Students will also continue to study the historical factors behind the developments of the Hellenic world and its texts. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement

History
HIST1110 - United States History I

Subject Code
HIST

Course Number
1110

Long Title
United States History I

Description
The primary objective of this course is to serve as an introduction to the history of the United States from the pre-colonial period to the immediate aftermath of the Civil War. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of the United States within the context of world societies. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
HIST1120 - United States History II

Subject Code
HIST

Course Number
1120

Long Title
United States History II

Description
The primary objective of this course is to serve as an introduction to the history of the United States from reconstruction to the present. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of the United States within the context of world societies. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
HIST1150 - Western Civilization I

Subject Code
HIST

Course Number
1150

Long Title
Western Civilization I

Description
This course is a chronological treatment of the history of the western world from ancient times to the early modern era. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of western civilization within the context of world societies. Selective attention will be given to "non-western" civilizations which impact and influence the development of "western" civilization. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
HIST1160 - Western Civilization II

Subject Code
HIST

Course Number
1160

Long Title
Western Civilization II

Description
This course is a chronological treatment of the history of the western world from the early modern era to the present. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of western civilization within the context of world societies. Selective attention will be given to "non-western" civilizations which impact and influence the development of "western" civilization. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
UNM Diversity, Equity, Inclusion, and Power Requirement
HIST1170 - Survey of Early Latin America  

**Subject Code**  
HIST  

**Course Number**  
1170  

**Long Title**  
Survey of Early Latin America  

**Description**  
The primary objective of this course is to serve as a survey of the history of Latin America from pre-Columbian times through independence. This course will explore the contributions of Indigenous peoples, Africans, and Europeans to the creation of Latin America's diverse societies. The elements of this course are designed to inform students on the major events and trends that are essential to the understanding of the history of Latin America within the context of world societies. Meets New Mexico General Education Curriculum Area 5: Humanities.  

**Credits**  
3  

**Grade Mode**  
Standard  

**May the course be repeated for credit?**  
No  

**Course Level**  
Lower division undergraduate (100-2999)  

**Gen Ed Areas & Diversity**  
Area V: Humanities  
UNM Diversity, Equity, Inclusion, and Power Requirement
HIST1180 - Survey of Modern Latin America

Subject Code
HIST

Course Number
1180

Long Title
Survey of Modern Latin America

Description
The primary objective of this course is to serve as a survey of the history of Latin America from independence to the present. This course will explore the contributions of Indigenous peoples, Africans, and Europeans to the creation of Latin America’s diverse societies. The elements of this course are designed to inform students on the major events and trends that are essential to the understanding of the history of Latin America within the context of world societies. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
UNM Diversity, Equity, Inclusion, and Power Requirement
HIST1190 - The Medieval World

Subject Code
HIST

Course Number
1190

Long Title
The Medieval World

Description
A broad survey of the history, literature, and culture of the Middle Ages from the fall of the Roman Empire to the eve of the Renaissance, based on study of primary texts and material artifacts.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

HIST2110 - Survey of New Mexico History

Subject Code
HIST

Course Number
2110

Long Title
Survey of New Mexico History

Description
The primary objective of this course is to serve as an introduction to the history of New Mexico from the pre-Columbian times to the present day. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of New Mexico within the context of the Americas.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
HIST2996 - Topics

Subject Code

HIST

Course Number

2996

Long Title

Topics

Description

A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits

1 - 6

Grade Mode

Standard

May the course be repeated for credit?

Yes

How many times can the course be repeated?

99

Course Level

Lower division undergraduate (100-2999)

Honors
HNRS1120 - Honors Legacy Seminar

**Subject Code**
HNRS

**Course Number**
1120

**Long Title**
Honors Legacy Seminar

**Description**
Surveys of major ideas basic to the intellectual, historical and artistic traditions of Western culture. Meets New Mexico General Education Curriculum Area 5: Humanities. Restriction: permission of Honors College.

**Credits**
3

**Grade Mode**
Honors

**May the course be repeated for credit?**
Yes

**How many times can the course be repeated?**
5

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
Area V: Humanities

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**Information Technology**
IT101 - Computer Fundamentals

Subject Code
IT

Course Number
101

Long Title
Computer Fundamentals

Description
This course is designed for students with little or no computer experience. The course will prepare the student to utilize computer hardware and software effectively and efficiently. The student is given the opportunity to learn to use electronic mail, explore the web, perform basic file management procedures (copy, rename, create subdirectories, etc.), and edit, format, and print simple documents. The student will also have an opportunity to learn basic information of computer systems to include the functions of various hardware components, the importance of software programs, how information is processed, and the social and ethical implications of the computer generation. A suggested pre- or corequisite is OBT 105.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
IT109 - Information Technology Cooperative Education

Subject Code
IT

Course Number
109

Long Title
Information Technology Cooperative Education

Description
The student works in an IT-related job for one semester and gains on-the-job insight into a technology field. Student must write projected goals for the semester's work, midterm summaries of work completed thus far, and an end of the term report summarizing work completed during the semester. Students must also get a supervisor evaluation. Restriction: permission of the Business Curriculum Coordinator.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
IT111 - Introduction to E-Commerce

Subject Code
IT

Course Number
111

Long Title
Introduction to E-Commerce

Description
E-commerce concepts ranging from varieties of e-commerce to secure business transactions over the web. How to market a product over the web, basic business concepts of selling, and understanding the evolution of e-commerce.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Also Offered as Course Number
BSTC 111

IT119 - Networking Core Concepts

Subject Code
IT

Course Number
119

Long Title
Networking Core Concepts

Description
(Previously IT 120LT). This course serves as a general introduction in current networking technology for local area networks (LANs), wide-area networks (WANs), and the Internet.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
IT130 - Microcomputer Operating Systems

Subject Code
IT

Course Number
130

Long Title
Microcomputer Operating Systems

Description
This class covers the skills necessary to select, install/deploy, integrate platforms or components to support an organization's IT infrastructure. Prerequisite: 119 and CS 101.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - IT119 - Networking Core Concepts (3)
  - CS101 - Introduction To Computing Science (4)
IT141 - Technical Support

Subject Code
IT

Course Number
141

Long Title
Technical Support

Description
The student is enrolled in a 3-credit course which has two parts: a normal weekly lecture plus a mandatory service time manning the Help Desk Service Phone. In this course, students are taught how to assist other students, faculty, and staff with answering computer-related questions. Skills for running the Help Desk are taught, along with technical skills related to commonly asked questions. Working at the Help Desk phone is mandatory for a fixed number of hours per week. Students will be required to log all questions with appropriate answers to those questions. Prerequisite: 119 and CS 101.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - IT119 - Networking Core Concepts (3)
  - CS101 - Introduction To Computing Science (4)
Introduction to Web Authoring

This course is an introduction to making and designing web pages using HTML generating software. Students learn how to make well-designed web pages from simple to the complex. Site creation with text, graphics, tables, Cascading Style Sheets, and simple animation effects are included. Design principles as they apply to the World Wide Web are also presented. No knowledge of HTML is required.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Also Offered as Course Number
CT 165
IT193 - Topics

Subject Code
IT

Course Number
193

Long Title
Topics

Description
Various topics related to Information Technology.

Credits
1 - 4

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)
IT231 - Systems Administration

Subject Code
IT

Course Number
231

Long Title
Systems Administration

Description
This class covers the essential skills for IT majors to administer a system. Topics may include configuration/organization, file systems, user management, and backup/disaster recovery. Prerequisite: 119 and CS 101.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - IT119 - Networking Core Concepts (3)
  - CS101 - Introduction To Computing Science (4)
IT235 - Win Sys Admin

**Subject Code**
IT

**Course Number**
235

**Long Title**
Win Sys Admin

**Description**
Topics in Windows administration, this is an introduction to system administration of Windows Server with a focus on security and reliability. Topics covered will include Window Server system configuration, available tools, file system and registry structure, auditing and automation of tasks. Prerequisite: IT 119. (Previously IT 120LT)

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)
IT250 - Web Fundamentals

Subject Code
IT

Course Number
250

Long Title
Web Fundamentals

Description
Introduction to development, creation, and management of websites intended for IT majors. Topics include HTML, JavaScript, and web server technology. Prerequisite: CS 101 and CS 152L.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - CS101 - Introduction To Computing Science (4)
  - CS152L - Computer Programming Fundamentals (3)
IT260 - Information Assurance and Security

Subject Code
IT

Course Number
260

Long Title
Information Assurance and Security

Description
The primary goal of the course is a general introduction to defense-in-depth perimeter security on both Windows and LINUX/UNIS networks and an in-depth study of the step-by-step approach used in computer/network attacks. Prerequisite: IT119 and CS101.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - IT119 - Networking Core Concepts (3)
  - CS101 - Introduction To Computing Science (4)
IT262 - Scripting for Network Defense

Subject Code
IT

Course Number
262

Long Title
Scripting for Network Defense

Description
Scripting programming for security purposes. Students build on prior programming, operating system, and security knowledge to develop, code, use, and debug new and existing scripts. Prerequisite: 130 and 260 and CS 101 and CS 152L.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - IT130 - Microcomputer Operating Systems (3)
  - IT260 - Information Assurance and Security (3)
  - CS101 - Introduction To Computing Science (4)
  - CS152L - Computer Programming Fundamentals (3)
IT265 - Forensics and Incident Response

Subject Code
IT

Course Number
265

Long Title
Forensics and Incident Response

Description
This course exposes the student to the topics of computer forensics and incident response. Topics include: fundamental concepts, history of computing forensics, data recovery techniques, and responses to security incidents. Prerequisite: 262.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - IT262 - Scripting for Network Defense (3)
IT271 - Databases and Information Management

Subject Code
IT

Course Number
271

Long Title
Databases and Information Management

Description
This course will cover development and administration issues of relational databases. Topics to span areas of efficient collection, organization, retrieval and management of data. Pre- or corequisite: 250.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - IT250 - Web Fundamentals (3)
IT293 - Topics

Subject Code
IT

Course Number
293

Long Title
Topics

Description
Various topics related to Information Technology.

Credits
1 - 4

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)

Japanese
JAPN2110 - Japanese III

Subject Code
JAPN

Course Number
2110

Long Title
Japanese III

Description
This course is designed for students who have completed 12 credit hours or the equivalent of Japanese study. This course continues to expand vocabulary, grammar and 209 Kanji to deal with daily activities. Its objective is to teach students to communicate in a meaningful way using all four language skills: speaking, listening comprehension, reading and writing. Students will be able to manage not-complicated daily situation. Students will attain ACTFL intermediate-low level in four skills. Meets University of New Mexico General Education Curriculum Area 6: Second Language. Prerequisite: 1135.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - Course Not Found
  - Course Not Found

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
**JAPN2120 - Japanese IV**

**Subject Code**

JAPN

**Course Number**

2120

**Long Title**

Japanese IV

**Description**

This course is designed for students who have completed 15 credit hours or the equivalent of Japanese study. This course continues to expand vocabulary, grammar and 271 Kanji to deal with not-complicated daily situation with ease. Also students acquire a competence for Japanese pragmatic usage. This course follows ACTFL language guidelines, integrating the five C's: communication, cultures, connections, comparisons and communities, to offer the student a well-rounded classroom experience. Students will attain ACTFL intermediate-mid level in four skills. Meets University of New Mexico General Education Curriculum Area 6: Second Language. Prerequisite: 2110.

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Prerequisites**

- Earned a minimum grade of C in at least 1 of the following:
  - JAPN2110 - Japanese III (3)
  - Course Not Found

**Gen Ed Areas & Diversity**

Area VI: UNM Second Language Requirement

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**Latin**
LATN1110 - Latin I

Subject Code
LATN

Course Number
1110

Long Title
Latin I

Description
Introduction to the Latin language; grammar, syntax and readings in Roman authors. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
LATN1120 - Latin II

**Subject Code**
LATN

**Course Number**
1120

**Long Title**
Latin II

**Description**
Continuation of 1110. Introduction to the Latin language; grammar, syntax and readings in Roman authors. Meets University of New Mexico General Education Curriculum Area 6: Second Language. Prerequisite: 1110.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - LATN1110 - Latin I (3)
  - Course Not Found

**Gen Ed Areas & Diversity**
Area VI: UNM Second Language Requirement
LATN2110 - Latin III

Subject Code
LATN

Course Number
2110

Long Title
Latin III

Description
Systematic review of Latin grammar and syntax; readings in simple prose authors such as Cicero and Caesar; introduction to Latin poetry and scansion. Meets University of New Mexico General Education Curriculum Area 6: Second Language. Prerequisite: 1120.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - LATN1120 - Latin II (3)
  - Course Not Found

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
LATN2120 - Latin IV

Subject Code
LATN

Course Number
2120

Long Title
Latin IV

Description
Systematic review of Latin grammar and syntax; readings in simple prose authors such as Cicero and Caesar; introduction to Latin poetry and scansion. Meets University of New Mexico General Education Curriculum Area 6: Second Language. Prerequisite: 1120.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - LATN1120 - Latin II (3)
  - Course Not Found

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement

Linguistics
LING2110 - Introduction to the Study of Language and Linguistics

Subject Code
LING

Course Number
2110

Long Title
Introduction to the Study of Language and Linguistics

Description
This course presents an introduction to the study of language through the basic aspects of linguistic analysis: the sound system (phonetics and phonology), the structure of words and sentences (morphology and syntax), and the ways in which language is used to convey meaning (semantics and pragmatics). In addition, the course will investigate how language is acquired and stored in the brain, and how differences in speech styles and dialects reflect different social and cultural backgrounds of individual speakers. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences

Management
MGMT105 - Business Co-op Work Phase

**Subject Code**

MGMT

**Course Number**

105

**Long Title**

Business Co-op Work Phase

**Description**

Exploring the world of work and interacting with their surroundings in an environment conducive to growth and personal development, UNM students will benefit from real life situations through experiential learning. Offered on a CR/NC basis only.

**Credits**

0

**Grade Mode**

Credit/No Credit

**May the course be repeated for credit?**

Yes

**Course Level**

Lower division undergraduate (100-2999)

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MGMT158 - Ethics in Organizations

**Subject Code**

MGMT

**Course Number**

158

**Long Title**

Ethics in Organizations

**Description**

Introduction to ethical issues in business, government, and nonprofit organizations and how to deal with those issues. Emphasis on ethical reasoning and cases of ethical and unethical behavior in management and the professions.

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)
Manufacturing Technology

MFGT101 - Technology Foundations

Subject Code

MFGT

Course Number

101

Long Title

Technology Foundations

Description

This course prepares students for analytical and critical thinking in an integrated approach to learning and applying mathematical, reading, writing and oral communications skills in manufacturing and industrial technology programs of study.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)
MKTG2110 - Principles of Marketing

Subject Code
MKTG

Course Number
2110

Long Title
Principles of Marketing

Description
Survey of modern marketing concepts and practices focusing on the marketing mix: product, pricing, promotion, and distribution strategies. Topics include the marketing environment, consumer behavior, marketing research, target marketing, and the ethical and social responsibilities of marketers. Credit not applicable toward B.B.A. Business Administration.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
MATH011 - Prealgebra Part I

**Subject Code**
MATH

**Course Number**
011

**Long Title**
Prealgebra Part I

**Description**
This course includes the first half of a prealgebra course including whole numbers, fractions, decimals, ratio and proportions, and percent.

**Credits**
1 - 2

**Grade Mode**
Remedial Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch remedial (001-100)

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MATH012 - Prealgebra Part II

**Subject Code**
MATH

**Course Number**
012

**Long Title**
Prealgebra Part II

**Description**
This is the second half of a prealgebra course and covers measurement and geometry, real numbers, introduction to algebra and basic equation solving, and applications.

**Credits**
1 - 2

**Grade Mode**
Remedial Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch remedial (001-100)

**Prerequisites**
- Earned a minimum grade of C in each of the following:
  - MATH011 - Prealgebra Part I (1 - 2)
MATH021 - Introduction to Algebra Part I

Subject Code
MATH

Course Number
021

Long Title
Introduction to Algebra Part I

Description
This course includes the first half of a beginning algebra course including a review of basic arithmetic, real numbers, integer exponents, linear equations and inequalities, and an introduction to application problems.

Credits
1 - 2

Grade Mode
Remedial Standard

May the course be repeated for credit?
No

Course Level
Branch remedial (001-100)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - MATH012 - Prealgebra Part II (1 - 2)
  - Course Not Found
MATH022 - Introduction to Algebra Part II

Subject Code
MATH

Course Number
022

Long Title
Introduction to Algebra Part II

Description
This course includes the second half of a beginning algebra course including a review of the Cartesian coordinate system, graphing linear equations in two variables, properties of exponents, polynomials and an introduction to factoring.

Credits
1 - 2

Grade Mode
Remedial Standard

May the course be repeated for credit?
No

Course Level
Branch remedial (001-100)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - MATH021 - Introduction to Algebra Part I (1 - 2)
MATH106 - Problems in Intermediate Algebra

Subject Code

MATH

Course Number

106

Long Title

Problems in Intermediate Algebra

Description

Study session for 1215 with an emphasis on problem solving. Offered on a CR/NC basis only.

Credits

1

Grade Mode

Credit/No Credit

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Corequisites

- Concurrently enrolled in:
  - MATH1215 - Intermediate Algebra (3)
MATH107 - Problems in College Algebra

Subject Code
MATH

Course Number
107

Long Title
Problems in College Algebra

Description
Study session for 1220 with an emphasis on problem solving. Offered on a CR/NC basis only.

Credits
1

Grade Mode
Credit/No Credit

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Concurrently enrolled in:
  - Course Not Found
MATH1130 - Survey of Mathematics

**Subject Code**
MATH

**Course Number**
1130

**Long Title**
Survey of Mathematics

**Description**
An introduction to some of the great ideas of mathematics, including logic, systems of numbers, sequences and series, geometry and probability. Emphasizes general problem-solving skills. Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1215 - Intermediate Algebra (3)
    - MATH1220 - College Algebra (3)
    - MATH1230 - Trigonometry (3)
    - MATH1240 - Pre-Calculus (3)
    - MATH1350 - Introduction to Statistics (3)
    - MATH1440 - Applications of Calculus II (3)
    - MATH1512 - Calculus I (4)
    - MATH1522 - Calculus II (4)
    - MATH2531 - Calculus III (4)
    - MATH1430 - Applications of Calculus I (3)
  - Earn test score of: ACT Math =>22 or SAT Math Section =>540 or ACCUPLACER Next-Generation Advanced Algebra and Functions =>218 or ACCUPLACER Next-Generation Quantitative Reasoning, Algebra, and Statistics =>253 LCP Math => 30
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - Course Not Found
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - Course Not Found

**Gen Ed Areas & Diversity**
Area II: Mathematics and Statistics
MATH1215 - Intermediate Algebra

Subject Code
MATH

Course Number
1215

Long Title
Intermediate Algebra

Description
A study of linear and quadratic functions, and an introduction to polynomial, absolute value, rational, radical, exponential, and logarithmic functions. A development of strategies for solving single-variable equations and contextual problems.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - Course Not Found
  - ACT Math =>19 or SAT Math Section =>480 or ACCUPLACER Arithmetic =>102 or ACCUPLACER Elementary Algebra =>41.
MATH1220 - College Algebra

Subject Code
MATH

Course Number
1220

Long Title
College Algebra

Description

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - MATH1215 - Intermediate Algebra (3)
  - Earned a minimum grade of C in each of the following:
    - Course Not Found
    - Course Not Found
    - Course Not Found
  - Earn test score of: ACT Math =>22 or SAT Math Section =>540 or ACCUPLACER Next-Generation Advanced Algebra and Functions =239-248 or Lobo Course Placement Math =>30.

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1230 - Trigonometry

Subject Code
MATH

Course Number
1230

Long Title
Trigonometry

Description
A study of plane trigonometry including the definitions of the fundamental trig functions using right angle triangle and unit circle approaches. Trig functions of any real number will be evaluated and the functions graphed along with their transformations. Trigonometric identities will be developed and demonstrated including multiple angle identities and identities developed from them. Inverse trigonometric functions will be developed and used to solve trigonometric equations. Trigonometric applications will be solved using right angle trigonometry and the laws of sines and cosines. Trigonometric methods will be applied to complex numbers and the use of 2D vectors and vector dot products. May be taken concurrently with 1240.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - Course Not Found
  - ACT Math =>25 or SAT Math Section =>590 or ACCUPLACER Next-Generation Advanced Algebra and Functions =249-283 or Lobo Course Placement Math =>60.
MATH1240 - Pre-Calculus

Subject Code
MATH

Course Number
1240

Long Title
Pre-Calculus

Description
This course extends students’ knowledge of polynomial, rational, exponential and logarithmic functions to new contexts, including rates of change, limits, systems of equations, conic sections, and sequences and series. May be taken concurrently with 1230. Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - Course Not Found
  - Earn test score of: ACT Math =>25 or SAT Math Section =>590 or ACCUPLACER Next-Generation Advanced Algebra and Functions =249-283 or Lobo Course Placement Math =>50.

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1250 - Trigonometry and Pre-Calculus
Subject Code
MATH

Course Number
1250

Long Title
Trigonometry and Pre-Calculus

Description
Includes the study of functions in general with emphasis on the elementary functions: algebraic, exponential, logarithmic, trigonometric and inverse trigonometric functions. Topics include rates of change, limits, systems of equations, conic sections, sequences and series, trigonometric equations and identities, complex number, vectors, and applications. Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

Credits
5

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - Course Not Found
  - Earn test score of: ACT Math =>25 or SAT Math Section =>590 or ACCUPLACER Next-Generation Advanced Algebra and Functions =249-283 or Lobo Course Placement Math =>50.

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1350 - Introduction to Statistics

Subject Code
MATH

Course Number
1350

Long Title
Introduction to Statistics

Description
This course discusses the fundamentals of descriptive and inferential statistics. Students will gain introductions to topics such as descriptive statistics, probability and basic probability models used in statistics, sampling and statistical inference, and techniques for the visual presentation of numerical data. These concepts will be illustrated by examples from a variety of fields. Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1215 - Intermediate Algebra (3)
    - MATH1220 - College Algebra (3)
    - MATH1230 - Trigonometry (3)
    - MATH1240 - Pre-Calculus (3)
    - MATH1430 - Applications of Calculus I (3)
    - MATH1440 - Applications of Calculus II (3)
    - MATH1512 - Calculus I (4)
    - MATH1522 - Calculus II (4)
    - MATH2531 - Calculus III (4)
  - Earned a minimum grade of C in each of the following:
    - Course Not Found
    - Course Not Found
  - Earn test score of: ACT Math =>22 or SAT Math Section =>540 or ACCUPLACER Next-Generation Quantitative Reasoning, Algebra, and Statistics =>253 or Lobo Course Placement Math =>30.

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1430 - Applications of Calculus I

Subject Code
MATH

Course Number
1430

Long Title
Applications of Calculus I

Description
An algebraic and graphical study of derivatives and integrals, with an emphasis on applications to business, social science, economics and the sciences. Credit for both this course and MATH 1512 may not be applied toward a degree program. Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - MATH1240 - Pre-Calculus (3)
    - MATH1250 - Trigonometry and Pre-Calculus (5)
  - Earn test score of: ACT Math =>26 or SAT Math Section =>620 or ACCUPLACER Next-Generation Advanced Algebra and Functions =249-283 or Lobo Course Placement Math =>40.

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1440 - Applications of Calculus II

Subject Code
MATH

Course Number
1440

Long Title
Applications of Calculus II

Description
Topics in this course include functions of several variables, techniques of integration, an introduction to basic differential equations, and other applications. Credit for both this course and MATH 1522 may not be applied toward a degree program. Prerequisite: 1430.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - MATH1430 - Applications of Calculus I (3)
  - Course Not Found

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1512 - Calculus I

Subject Code
MATH

Course Number
1512

Long Title
Calculus I

Description
Limits. Continuity. Derivative: definition, rules, geometric interpretation and as rate-of-change, applications to graphing, linearization and optimization. Integral: definition, fundamental theorem of calculus, substitution, applications such as areas, volumes, work, averages. Credit for both this course and MATH 1430 may not be applied toward a degree program. Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in each of the following:
    - MATH1230 - Trigonometry (3)
    - MATH1240 - Pre-Calculus (3)
  - Earned a minimum grade of C in each of the following:
    - MATH1250 - Trigonometry and Pre-Calculus (5)
  - Earn test score of: ACT Math =>28 or SAT Math Section =>640 or ACCUPLACER Next-Generation Advanced Algebra and Functions =>284 or Lobo Course Placement Math =>70.

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1522 - Calculus II

Subject Code
MATH

Course Number
1522

Long Title
Calculus II

Description
Transcendental functions, techniques of integration, numerical integration, improper integrals, sequences and series, Taylor series with applications, complex variables, differential equations. Credit for both this course and MATH 1440 may not be applied toward a degree program. Meets New Mexico General Education Curriculum Area 2: Mathematics and Statistics.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - MATH1512 - Calculus I (4)
  - Course Not Found

Gen Ed Areas & Diversity
Area II: Mathematics and Statistics
MATH1996 - Topics

Subject Code
MATH

Course Number
1996

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 6

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
99

Course Level
Lower division undergraduate (100-2999)
MATH2531 - Calculus III

Subject Code
MATH

Course Number
2531

Long Title
Calculus III

Description
Vector operations, vector representation of planes and curves, functions of several variables, partial derivatives, gradient, tangent planes, optimization, multiple integrals in Cartesian cylindrical and spherical coordinates, vector fields, line integrals and Green's theorem. Prerequisite: 1522.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - MATH1522 - Calculus II (4)
  - Course Not Found

Mechanical Engineering
ME160L - Mechanical Engineering Design I

**Subject Code**
ME

**Course Number**
160L

**Long Title**
Mechanical Engineering Design I

**Description**
Introduction to engineering graphics, the design process, computer aided design, engineering ethics, design economics and project management. Two hours lecture, three hours lab.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - MATH1220 - College Algebra (3)
    - Or, ACT Math =>25 or SAT Math Section =>590 or ACCUPLACER College-Level Math =>69.
  - Completed with a minimum grade of C or concurrently enrolled in at least 1 of the following:
    - ENG120 - Mathematics for Engineering Applications (6)
    - MATH1230 - Trigonometry (3)
    - MATH1240 - Pre-Calculus (3)
    - MATH1250 - Trigonometry and Pre-Calculus (5)
    - MATH1430 - Applications of Calculus I (3)
    - MATH1440 - Applications of Calculus II (3)
    - MATH1512 - Calculus I (4)
    - MATH1522 - Calculus II (4)
    - MATH2531 - Calculus III (4)

**Other Restrictions**
Prerequisite: MATH 1220 or ACT Math =>25 or SAT Math Section =>590 or ACCUPLACER College-Level Math =>69. Pre- or corequisite: ENG 120 or MATH 1230 or MATH 1240 or MATH 1250 or MATH 1430 or MATH 1440 or MATH 1512 or MATH 1522 or MATH 2531.
ME217 - Energy, Environment and Society

Subject Code
ME

Course Number
217

Long Title
Energy, Environment and Society

Description
A look at the social, ethical, and environmental impacts of energy use both now and through history. A survey of renewable energy and conservation and their impact on environmental and social systems.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Also Offered as Course Number
GEOG 2170
ME260L - Mechanical Engineering Design II

Subject Code
ME

Course Number
260L

Long Title
Mechanical Engineering Design II

Description
The design process, project management, shop practice CNC and rapid prototyping, design economics and engineering ethics. Two hours lecture, three hours lab. Prerequisite: 160L. Pre- or corequisite: CHEM 1215 and CHEM 1215L.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - ME160L - Mechanical Engineering Design I (3)
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - CHEM1215 - General Chemistry I for STEM Majors (3)
    - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)

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Mechanical Technology
MCHT101L - Basic Welding

Subject Code
MCHT

Course Number
101L

Long Title
Basic Welding

Description
This course focuses on the fundamental techniques employed in the welding field. It is a laboratory approach to understanding and building skills in welding related areas including shop safety, hand and portable power tool usage, and welding—including gas welding, brazing and cutting (oxy-acetylene), stick (SMAW), MIG (GMAW), TIG (GTAW), and plasma arc cutting (PAC). Students may opt to specialize in one or more of the areas after required exercises in all areas are satisfied.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
MCHT120 - GTAW Welding

Subject Code
MCHT

Course Number
120

Long Title
GTAW Welding

Description
Focuses on the advanced techniques employed in the gas tungsten arc welding (GTAW) field. Provides hands on welding practice and knowledge with the GTAW process in various positions and joint configurations. Students may opt to specialize in one or more of the areas after learning all. Course prepares student to take the GTAW welding tests outside of UNM. Prerequisite: 101L.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - MCHT101L - Basic Welding (4)
MCHT193 - Topics

Subject Code
MCHT

Course Number
193

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester. Titles will vary.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
98

Course Level
Branch technical (101-2999)

Music
MUSC1110 - Music Appreciation: Jazz

Subject Code
MUSC

Course Number
1110

Long Title
Music Appreciation: Jazz

Description
This course explores the ideas of music in society and its cultural relevance and is designed to increase the students’ appreciation of music as well as to enhance their listening skills. Students are introduced to various periods, styles, and composers of music and become acquainted with knowledge and appreciation of jazz from various cultures and times. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
MUSC1120 - Music Appreciation: Rock and Roll

Subject Code
MUSC

Course Number
1120

Long Title
Music Appreciation: Rock and Roll

Description
This course explores the ideas of music in society and its cultural relevance and is designed to increase the students’ appreciation of music as well as to enhance their listening skills. Students are introduced to various periods, styles, and composers of music and become acquainted with knowledge and appreciation of rock and roll music from various cultures and times. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VII: Arts and Design
Subject Code
MUSC

Course Number
1130

Long Title
Music Appreciation: Western Music

Description
This course explores the ideas of music in society and its cultural relevance and is designed to increase the students’ appreciation of music as well as to enhance their listening skills. Students are introduced to various periods, styles, and composers of music and become acquainted with knowledge and appreciation of Western music from various cultures and times. Meets New Mexico General Education Curriculum Area 7: Arts and Design.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VII: Arts and Design
MUSC1210 - Fundamentals of Music for Non-Majors

Subject Code

MUSC

Course Number

1210

Long Title

Fundamentals of Music for Non-Majors

Description

A beginning course in the fundamentals of music, this course includes notation, scales, key signatures and intervals. Aural comprehension is introduced through singing intervals, scales and triads and dictating simple rhythmic and melodic patterns and students explore the basic components of music.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

MUSC1220 - Fundamentals of Piano for Non-Majors

Subject Code

MUSC

Course Number

1220

Long Title

Fundamentals of Piano for Non-Majors

Description

This course will include instruction for non-music majors in beginning keyboarding skills. Students will develop their keyboard skills through practice and study of fundamentals.

Credits

1

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)
Native American Studies

NATV1150 - Introduction to Native American Studies

**Subject Code**
NATV

**Course Number**
1150

**Long Title**
Introduction to Native American Studies

**Description**
This course surveys the significance of Native American Studies through an inter-disciplinary approach to two areas of academic concentration: Indigenous Learning Communities, and Leadership and Building Native Nations. Meets New Mexico General Education Curriculum Area 5: Humanities.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
Area V: Humanities
UNM Diversity, Equity, Inclusion, and Power Requirement

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Natural Science
NTSC1110 - Physical Science for Teachers

Subject Code
NTSC

Course Number
1110

Long Title
Physical Science for Teachers

Description
Introduces the science of geology, chemistry, physics and astronomy, with emphasis on the sciences processes, inquiry and the integration of technology. This course is activity based utilizing problems and issues based approach. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
NTSC1120 - Life Science for Teachers

**Subject Code**

NTSC

**Course Number**

1120

**Long Title**

Life Science for Teachers

**Description**

Uses activities for the study of science topics including botany, cell biology, genetics, microbiology and zoology with emphasis on science processes, inquiry and the integration of technology. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

**Credits**

4

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**

Area III: Physical and Natural Sciences
NTSC2110 - Environmental Science for Teachers

**Subject Code**
NTSC

**Course Number**
2110

**Long Title**
Environmental Science for Teachers

**Description**
Introduces major issues in environmental science with emphasis on science processes, scientific investigations and field-based activities, and the integration of technology. Course topics include current issues on population, healthy ecosystems, and natural resources. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

**Credits**
4

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
Area III: Physical and Natural Sciences

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**Nuclear Facilities Fundamentals**
NFFW1110 - Nuclear Facility Fundamentals

Subject Code

NFFW

Course Number

1110

Long Title

Nuclear Facility Fundamentals

Description

Introduction to the basic principles of working in a DOE nuclear facility. Topics include an introduction to radioactive materials, personal protective equipment, biological monitoring programs, ventilation systems, waste generation and general laboratory hazards. Students must be employed as a Laboratory Technician/Technologist at Los Alamos National Laboratory (LANL), N3B, other National Laboratories, or Department of Energy facilities. Restriction: permission of instructor.

Credits

5

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)
NFFW1120 - Fissionable Material Handler

**Subject Code**
NFFW

**Course Number**
1120

**Long Title**
Fissionable Material Handler

**Description**
Introduction to fissile material handling for glovebox workers. Topics include an introduction to laboratory ventilation and glovebox systems, movement of fissionable materials, and nuclear material control and accountability fundamentals. Students must be employed as a Laboratory Technician/Technologist at Los Alamos National Laboratory (LANL), N3B, other National Laboratories, or Department of Energy facilities. Prerequisite: ENGL 1110X and MATH 012. Corequisite: 1110 and 1120L. Restriction: permission of instructor.

**Credits**
5

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

**Corequisites**
- Concurrently enrolled in:
  - NFFW1110 - Nuclear Facility Fundamentals (5)
  - NFFW1120L - Nuclear Facility Laboratory (5)

**Prerequisites**
- Earned a minimum grade of C in each of the following:
  - ENGL1110X - Composition I: Stretch I (3)
  - MATH012 - Prealgebra Part II (1 - 2)
NFFW1120L - Nuclear Facility Laboratory

Subject Code
NFFW

Course Number
1120L

Long Title
Nuclear Facility Laboratory

Description
Laboratory experience for entry level career in nuclear facilities as a glovebox worker and fissile material handler. Topics include laboratory practices, emergency response, routine procedures, and other tasks related to working in a nuclear laboratory. Students must be employed as a Laboratory Technician/Technologist at Los Alamos National Laboratory (LANL), N3B, other National Laboratories, or Department of Energy facilities.

Prerequisite: ENGL 1110X and MATH 012. Corequisite: 1110 and 1120. Restriction: permission of instructor.

Credits
5

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Corequisites
- Concurrently enrolled in:
  - NFFW1110 - Nuclear Facility Fundamentals (5)
  - NFFW1120 - Fissionable Material Handler (5)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ENGL1110X - Composition I: Stretch I (3)
  - MATH012 - Prealgebra Part II (1 - 2)

Nuclear Waste Operator
NWOB1110 - Nuclear Waste Operator Boot Camp

Subject Code
NWOB

Course Number
1110

Long Title
Nuclear Waste Operator Boot Camp

Description
Twelve-week boot camp style course designed to prepare students for a career as a Waste Processing Operator. This curriculum will prepare individuals to apply basic engineering principles and technical skills in disposing of hazardous materials. Students must be accepted into an approved Waste Processing Operator Apprenticeship program. Corequisite: 1110L. Restriction: permission of instructor.

Credits
9

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Corequisites
- Concurrently enrolled in:
  - NWOB1110L - Nuclear Waste Operator Boot Camp Laboratory (1)
NWOB1110L - Nuclear Waste Operator Boot Camp Laboratory

Subject Code
NWOB

Course Number
1110L

Long Title
Nuclear Waste Operator Boot Camp Laboratory

Description
Laboratory boot camp designed to prepare students for a career as a Waste Processing Operator. This curriculum will prepare individuals to apply basic engineering principles and technical skills in disposing of hazardous materials. Students must be accepted into an approved Waste Processing Operator Apprenticeship program. Corequisite: 1110. Restriction: permission of instructor.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Corequisites
- Concurrently enrolled in:
  - NWOB1110 - Nuclear Waste Operator Boot Camp (9)

Nutrition
NUTR1110 - Nutrition for Health

Subject Code
NUTR

Course Number
1110

Long Title
Nutrition for Health

Description
This course provides an overview of general concepts of nutrition, which can be applied to food choices that support a healthy lifestyle. The cultural, psychological, physiological and economic implications of food choices are explored.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
NUTR2110 - Human Nutrition

**Subject Code**

NUTR

**Course Number**

2110

**Long Title**

Human Nutrition

**Description**

This course provides an overview of nutrients, including requirements, digestion, absorption, transport, function in the body and food sources. Dietary guidelines intended to promote long-term health are stressed. Prerequisite: BIOL 1140 or BIOL 2110C or CHEM 1120C or (CHEM 1215 and CHEM 1215L).

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Prerequisites**

- Complete all of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - BIOL1140 - Biology for Health Sciences (3)
    - BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory (4)
    - CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors (4)
  - Or the following two courses:
    - Earned a minimum grade of C in each of the following:
      - CHEM1215 - General Chemistry I for STEM Majors (3)
      - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)

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**Personal Care Attendant**

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PCA101 - Personal Care Attendant

Subject Code
PCA

Course Number
101

Long Title
Personal Care Attendant

Description
Preparation for home healthcare providers. Current TB test or chest x-ray, criminal background check, and BLS/First Aid required. A UNM-VC Certificate of Completion awarded upon successful completion of skills and competency tests.

Credits
5

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Philosophy
PHIL1115 - Introduction to Philosophy

Subject Code
PHIL

Course Number
1115

Long Title
Introduction to Philosophy

Description
In this course, students will be introduced to some of the key questions of philosophy through the study of classical and contemporary thinkers. Some of the questions students might consider are: Do we have free will? What is knowledge? What is the mind? What are our moral obligations to others? Students will engage with and learn to critically assess various philosophical approaches to such questions. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
PHIL1120 - Logic, Reasoning, and Critical Thinking

Subject Code
PHIL

Course Number
1120

Long Title
Logic, Reasoning, and Critical Thinking

Description
The purpose of this course is to teach students how to analyze, critique, and construct arguments. The course includes an introductory survey of important logical concepts and tools needed for argument analysis. These concepts and tools will be used to examine select philosophical and scholarly texts. Meets New Mexico General Education Curriculum Area 1: Communication.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area I: Communication
PHIL1130 - Contemporary Moral Issues

Subject Code
PHIL

Course Number
1130

Long Title
Contemporary Moral Issues

Description
Ethical issues arising in contemporary society, e.g., sexual morality, preferential treatment, racism, punishment, war, world food distribution.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

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PHIL2140 - Professional Ethics

Subject Code
PHIL

Course Number
2140

Long Title
Professional Ethics

Description
This course focuses on some of the ethical issues that arise in the context of professional life. Beginning with an overview of several major ethical theories, the course will consider how these theories, which traditionally concern personal morality, apply to life in a professional setting. The course will focus on issues that might include lying and truth-telling, whistleblowing, confidentiality, the obligations of businesses toward the public, and the ethical concerns of privacy in journalism. Using a combination of readings, case studies, and discussion, students will explore these issues by critically evaluating ethical principles and also applying them to real-world settings.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
PHIL2210 - Early Modern Philosophy

Subject Code
PHIL

Course Number
2210

Long Title
Early Modern Philosophy

Description
This course is an introductory survey of early modern Western philosophy. Through an in-depth reading of primary source material, this course will examine the traditions of Rationalism and Empiricism that emerged during the seventeenth and eighteenth centuries. Concepts to be discussed might include theories of knowledge and metaphysics, early modern scientific thought, and theories of the self. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
PHIL2220 - Greek Philosophy

Subject Code
PHIL

Course Number
2220

Long Title
Greek Philosophy

Description
This course is an introductory survey of early and classical Greek philosophy. The course will include discussion of such philosophers as the Pre-Socratics, the Sophists, Socrates, Plato and Aristotle. Topics to be discussed may include the beginnings of scientific thought, theories of the self, the concept of being, virtue ethics, happiness, and theories of justice.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
PHIL2225 - Greek Thought

Subject Code
PHIL

Course Number
2225

Long Title
Greek Thought

Description
An introductory survey of early and classical Greek philosophy, literature, and history. Figures: Presocratics, Socrates, Plato and Aristotle; Homer and Sophocles; Herodotus and Thucydides.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities

PHIL2240 - Introduction to Existentialism

Subject Code
PHIL

Course Number
2240

Long Title
Introduction to Existentialism

Description
The aim of this course is to introduce students to the tradition of existential philosophy through a careful reading of philosophical texts by authors, such as Kierkegaard, Nietzsche, Sartre, de Beauvoir, and Heidegger.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
Physical Education (Non-Professional)

PENP192 - Topics

Subject Code
PENP

Course Number
192

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 3

Grade Mode
Credit/No Credit

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)
PHED1110 - Dance
Subject Code
PHED
Course Number
1110
Long Title
Dance
Description
Individual sections vary based on topic content; “audience”; type or level of participation.
Credits
1 - 2
Grade Mode
Standard
May the course be repeated for credit?
Yes
How many hours can the course be repeated?
99
Course Level
Lower division undergraduate (100-2999)

PHED1420 - Stretch and Relax
Subject Code
PHED
Course Number
1420
Long Title
Stretch and Relax
Description
Individual sections vary based on topic content; “audience”; type or level of participation.
Credits
1
Grade Mode
Standard
May the course be repeated for credit?
Yes
How many hours can the course be repeated?
99
Course Level
Lower division undergraduate (100-2999)
PHED1430 - Pilates

Subject Code

PHED

Course Number

1430

Long Title

Pilates

Description

Individual sections vary based on topic content; “audience”; type or level of participation.

Credits

1

Grade Mode

Standard

May the course be repeated for credit?

Yes

How many hours can the course be repeated?

99

Course Level

Lower division undergraduate (100-2999)
PHED1440 - Tai Chi

**Subject Code**
PHED

**Course Number**
1440

**Long Title**
Tai Chi

**Description**
Introduces the practice and philosophy of Tai Chi. Students will use breathing, alignment, precise body mechanics and soft, graceful movements to develop their understanding of the practice.

**Credits**
1

**Grade Mode**
Standard

**May the course be repeated for credit?**
Yes

**How many hours can the course be repeated?**
99

**Course Level**
Lower division undergraduate (100-2999)
PHED2410 - Yoga II

Subject Code
PHED

Course Number
2410

Long Title
Yoga II

Description
Individual sections vary based on topic content; “audience”; type or level of participation.

Credits
1 - 2

Grade Mode
Standard

May the course be repeated for credit?
No

How many hours can the course be repeated?
99

Course Level
Lower division undergraduate (100-2999)
PHYS1115 - Survey of Physics

Subject Code

PHYS

Course Number

1115

Long Title

Survey of Physics

Description

Overview of the concepts and basic phenomena of physics. This course provides a largely descriptive and qualitative treatment with a minimum use of elementary mathematics to solve problems. No previous knowledge of physics is assumed. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area III: Physical and Natural Sciences
PHYS1115L - Survey of Physics Laboratory

Subject Code
PHYS

Course Number
1115L

Long Title
Survey of Physics Laboratory

Description
A series of laboratory experiments associated with the material presented in 1115. Two hours lab. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - PHYS1115 - Survey of Physics (3)

Gen Ed Areas & Diversity
PHYS1230 - Algebra-Based Physics I

Subject Code
PHYS

Course Number
1230

Long Title
Algebra-Based Physics I

Description
An algebra-based treatment of Newtonian mechanics. Topics include kinematics and dynamics in one and two dimensions, conservation of energy and momentum, rotational motion, equilibrium, and fluids. The sequence (PHYS 1230, 1230L, 1240, 1240L) is required of pre-medical, pre-dental, and pre-optometry students. Only 1230 and 1240 are required of pharmacy students. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Complete 1 of the following
  - Earned a minimum grade of C in at least 1 of the following:
    - MATH1240 - Pre-Calculus (3)
    - Course Not Found
    - MATH1250 - Trigonometry and Pre-Calculus (5)
    - Course Not Found
    - MATH1430 - Applications of Calculus I (3)
    - Course Not Found
    - MATH1512 - Calculus I (4)
    - Course Not Found
  - Or earn test score of: ACT Math =>28 or SAT Math Section =>660 or ACCUPLACER Next-Generation Advanced Algebra and Functions =>284

Other Restrictions
Credit for both this course and PHYS 1310 may not be applied toward a degree program.

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
PHYS1230L - Algebra-Based Physics I Laboratory

Subject Code

PHYS

Course Number

1230L

Long Title

Algebra-Based Physics I Laboratory

Description

A series of laboratory experiments associated with the material presented in 1230. Three hours lab. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits

1

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Prerequisites

- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - PHYS1230L - Algebra-Based Physics I Laboratory (1)

Gen Ed Areas & Diversity

Area III: Physical and Natural Sciences
PHYS1231 - Problems in Algebra-Based Physics I

**Subject Code**
PHYS

**Course Number**
1231

**Long Title**
Problems in Algebra-Based Physics I

**Description**
This is a supplemental course for 1230. Offered on a CR/NC basis only. Corequisite: 1230.

**Credits**
1

**Grade Mode**
Credit/No Credit

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Corequisites**
- Concurrently enrolled in:
  - PHYS1230 - Algebra-Based Physics I (3)
PHYS1240 - Algebra-Based Physics II

Subject Code
PHYS

Course Number
1240

Long Title
Algebra-Based Physics II

Description
The second half of a two semester algebra-based introduction to physics. This course covers electricity, magnetism and optics. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - PHYS1230 - Algebra-Based Physics I (3)
  - Course Not Found

Other Restrictions
Credit for both this course and PHYS 1320 may not be applied toward a degree program.

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
PHYS1240L - Algebra-Based Physics II Laboratory

Subject Code

PHYS

Course Number

1240L

Long Title

Algebra-Based Physics II Laboratory

Description

A series of laboratory experiments associated with the material presented in 1240. Three hours lab. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits

1

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Prerequisites

- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - PHYS1240 - Algebra-Based Physics II (3)

Gen Ed Areas & Diversity

Area III: Physical and Natural Sciences
PHYS1241 - Problems in Algebra-Based Physics II

Subject Code
PHYS

Course Number
1241

Long Title
Problems in Algebra-Based Physics II

Description
This is a supplemental course for 1240. Offered on a CR/NC basis only. Corequisite: 1240.

Credits
1

Grade Mode
Credit/No Credit

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Concurrently enrolled in:
  - PHYS1240 - Algebra-Based Physics II (3)
PHYS1310 - Calculus-Based Physics I

Subject Code
PHYS

Course Number
1310

Long Title
Calculus-Based Physics I

Description
A calculus-level treatment of classical mechanics and waves, which is concerned with the physical motion concepts, forces, energy concepts, momentum, rotational motion, angular momentum, gravity, and static equilibrium. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - MATH1512 - Calculus I (4)

Other Restrictions
Credit for both this course and PHYS 1230 may not be applied toward a degree program.

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
PHYS1310L - Calculus-Based Physics I Laboratory

**Subject Code**
PHYS

**Course Number**
1310L

**Long Title**
Calculus-Based Physics I Laboratory

**Description**
A series of laboratory experiments associated with the material presented in 1310. Students will apply the principles and concepts highlighting the main objectives covered in coursework for 1310. Three hours lab. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

**Credits**
1

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - PHYS1320L - Calculus-Based Physics II Laboratory (1)

**Gen Ed Areas & Diversity**
Area III: Physical and Natural Sciences
PHYS1311 - Problems in Calculus-Based Physics I

Subject Code

PHYS

Course Number

1311

Long Title

Problems in Calculus-Based Physics I

Description

This is a supplemental course for 1310. Offered on a CR/NC basis only. Corequisite: 1310.

Credits

1

Grade Mode

Credit/No Credit

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Corequisites

- Concurrently enrolled in:
  - PHYS1310 - Calculus-Based Physics I (3)
PHYS1320 - Calculus-Based Physics II

**Subject Code**
PHYS

**Course Number**
1320

**Long Title**
Calculus-Based Physics II

**Description**
A calculus-level treatment of classical electricity and magnetism. It is strongly recommended that this course is taken at the same time as 1320L. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - PHYS1310 - Calculus-Based Physics I (3)
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - MATH1522 - Calculus II (4)

**Other Restrictions**
Credit for both this course and PHYS 1240 may not be applied toward a degree program.

**Gen Ed Areas & Diversity**
Area III: Physical and Natural Sciences
PHYS1320L - Calculus-Based Physics II Laboratory

Subject Code
PHYS

Course Number
1320L

Long Title
Calculus-Based Physics II Laboratory

Description
A series of laboratory experiments associated with the material presented in 1320. Students will apply the principles and concepts highlighting the main objectives covered in coursework for 1320. Three hours lab. Meets New Mexico General Education Curriculum Area 3: Physical and Natural Sciences.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - PHYS1320 - Calculus-Based Physics II (3)

Gen Ed Areas & Diversity
Area III: Physical and Natural Sciences
PHYS1321 - Problems in Calculus-Based Physics II

Subject Code
PHYS

Course Number
1321

Long Title
Problems in Calculus-Based Physics II

Description
This is a supplemental course for 1320. Offered on a CR/NC basis only. Corequisite: 1320.

Credits
1

Grade Mode
Credit/No Credit

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Concurrently enrolled in:
  - PHYS1320 - Calculus-Based Physics II (3)
PHYS2310 - Calculus-Based Physics III

Subject Code

PHYS

Course Number

2310

Long Title

Calculus-Based Physics III

Description

This course, the third in the calculus based sequence for science and engineering students, is a study of optics and topics in modern physics.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Prerequisites

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - PHYS1320 - Calculus-Based Physics II (3)
  - Completed with a minimum grade of C or concurrently enrolled in all of the following:
    - MATH2531 - Calculus III (4)
PHYS2310L - Calculus-Based Physics III Laboratory

Subject Code
PHYS

Course Number
2310L

Long Title
Calculus-Based Physics III Laboratory

Description
Covers topics in geometrical optics, wave optics and modern physics at the calculus level. Lab activities mirror and enhance lecture topics. Hands-on experiments involving data collection and analysis give students a better conceptual framework for understanding physics. Geometrical and wave optical phenomena are deeply probed. Three hours lab.

Credits
1

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in all of the following:
  - PHYS2310 - Calculus-Based Physics III (3)
PHYS2311 - Problems in Calculus-Based Physics III

Subject Code
PHYS

Course Number
2311

Long Title
Problems in Calculus-Based Physics III

Description
Problem solving and demonstrations related to 2310. Offered on a CR/NC basis only. Corequisite: 2310.

Credits
1

Grade Mode
Credit/No Credit

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Corequisites
- Concurrently enrolled in:
  - PHYS2310 - Calculus-Based Physics III (3)

Political Science
POLS1120 - American National Government

**Subject Code**
POLS

**Course Number**
1120

**Long Title**
American National Government

**Description**
This course explains the role of American national government, its formation and principles of the Constitution; relation of state to the national government; political parties and their relationship to interest groups. This course also explains the structure of the legislative, executive, and judicial branches. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
Area IV: Social and Behavioral Sciences
POLS1140 - The Political World

Subject Code
POLS

Course Number
1140

Long Title
The Political World

Description
This course introduces politics with emphasis on the ways people can understand their own political systems and those of others in a greater depth. This course will help in becoming more responsible and effective in the political world. Students who have already had courses in political science may not count this course toward a major. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences
POLS2110 - Comparative Politics

Subject Code

POLS

Course Number

2110

Long Title

Comparative Politics

Description

This course introduces comparative politics by examining the political history, social and economic structures, and contemporary political institutions and behavior, with focus on occurrences in countries representing diverse cultures, geographies, and levels of development. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area IV: Social and Behavioral Sciences
POLS2120 - International Relations

Subject Code
POLS

Course Number
2120

Long Title
International Relations

Description
This course covers the analysis of significant factors in world politics, including nationalism, national interest, political economy, ideology, international conflict and collaboration, balance of power, deterrence, international law, and international organization. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences

Psychology
PSYC1110 - Introduction to Psychology

Subject Code
PSYC

Course Number
1110

Long Title
Introduction to Psychology

Description
This course will introduce students to the concepts, theories, significant findings, methodologies, and terminology that apply to the field of psychology. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area IV: Social and Behavioral Sciences
PSYC2110 - Social Psychology

Subject Code
PSYC

Course Number
2110

Long Title
Social Psychology

Description
This course is an introduction to the scientific study of human social influence and interaction, and explores how an individual's actions, emotions, attitudes and thought processes are influenced by society and other individuals. Prerequisite: 1110.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
PSYC2120 - Developmental Psychology

Subject Code
PSYC

Course Number
2120

Long Title
Developmental Psychology

Description
Study of human physical and psychological change and stability from a lifespan development perspective. Prerequisite: 1110.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
PSYC2220 - Cognitive Psychology

Subject Code
PSYC

Course Number
2220

Long Title
Cognitive Psychology

Description
The course provides an overview of human cognitive processes such as attention, perception, memory, language, categorization, decision-making, reasoning, and problem solving. Includes methods, theories, and applications. Prerequisite: 1110.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
PSYC2250 - Brain and Behavior

Subject Code

PSYC

Course Number

2250

Long Title

Brain and Behavior

Description

A general survey of the biological foundations of behavior and mental processes. Students will gain an understanding of anatomy, physiology, and chemistry of the nervous system and their relationships to human behavior. Prerequisite: 1110 or BIOL 1110 or BIOL 1140.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Prerequisites

- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
  - BIOL1110 - General Biology (3)
  - Course Not Found
  - BIOL1140 - Biology for Health Sciences (3)
  - Course Not Found
PSYC2270 - Psychology of Learning and Memory

Subject Code
PSYC

Course Number
2270

Long Title
Psychology of Learning and Memory

Description
This course provides an overview of how information is acquired, stored, retrieved, and manifested in the behavior of human and non-human animals. Prerequisite: 1110.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
PSYC2320 - Health Psychology

Subject Code
PSYC

Course Number
2320

Long Title
Health Psychology

Description
This course examines how biological, psychological, and social factors interact with and affect different areas within health. Course will cover the role of stress in illness, coping with illness, pain management, and the role of health behavior in health and disease. Prerequisite: 1110.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
PSYC2330 - Psychology of Human Sexuality

**Subject Code**
PSYC

**Course Number**
2330

**Long Title**
Psychology of Human Sexuality

**Description**
Exploration of the psychological, physiological, cultural, social and individual factors that influence sexual behavior, sex roles, and sex identity. Prerequisite: 1110.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
PSYC2510 - Statistical Principles for Psychology

**Subject Code**
PSYC

**Course Number**
2510

**Long Title**
Statistical Principles for Psychology

**Description**
This course covers introductory-level topics in statistics that are applicable to psychological research. Both descriptive and inferential statistics are covered. Topics include applying statistical formulas to psychological data and interpreting the results of statistical analyses. Prerequisite: 1110.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - PSYC1110 - Introduction to Psychology (3)
  - Course Not Found
PSYC2996 - Topics

Subject Code
PSYC

Course Number
2996

Long Title
Topics

Description
.

Credits
1 - 6

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
99

Course Level
Lower division undergraduate (100-2999)

Public Safety
PBST101 - Introduction to Homeland Security

Subject Code
PBST

Course Number
101

Long Title
Introduction to Homeland Security

Description
Historical and contemporary governmental actions for prevention, detection, response and recovery from terrorism and disasters including components of DHS. Multi-jurisdictional agencies' and stakeholders' roles. Challenges; Balance between freedom and security.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

PBST102 - Principles of Emergency Management

Subject Code
PBST

Course Number
102

Long Title
Principles of Emergency Management

Description
History, characteristics, functions, resources of integrated system; how emergency management services work together in a system of resources and capabilities. Application to all hazards for all government levels, phases and functions of emergency management.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
PBST105 - Incident Command

**Subject Code**
PBST

**Course Number**
105

**Long Title**
Incident Command

**Description**

**Credits**
3

**Grade Mode**
Standard

May the course be repeated for credit?
No

**Course Level**
Branch technical (101-2999)

PBST106 - Introduction to Terrorism and Public Safety

**Subject Code**
PBST

**Course Number**
106

**Long Title**
Introduction to Terrorism and Public Safety

**Description**
Introduces terrorism and its impact on twenty-first century life. Historical background, definitions, tactics, ideologies, terrorist organizations, including states from around the world. How terrorism influences civilization from public policy to emergency response operations.

**Credits**
3

**Grade Mode**
Standard

May the course be repeated for credit?
No

**Course Level**
Branch technical (101-2999)
PBST107 - Social Impacts of Disaster
Subject Code
PBST

Course Number
107

Long Title
Social Impacts of Disaster

Description
Focuses on human behavior and the stages of human response during and after a natural or man-made disaster; for example, hurricanes, tornados, earthquakes, floods, fires, chemical spills, nuclear power plant accidents, riots, etc.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

PBST108 - National Infrastructure Protection and Critical Infrastructure Protection
Subject Code
PBST

Course Number
108

Long Title
National Infrastructure Protection and Critical Infrastructure Protection

Description
An introduction to analyses and tools to identify critical private and public sector infrastructure and optimal protection strategies.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
PBST109 - Public Safety Interview and Report Writing  
**Subject Code**  
PBST  
**Course Number**  
109  
**Long Title**  
Public Safety Interview and Report Writing  
**Description**  
Writing the types of reports required in a criminal justice career. Gather pertinent information and write report narratives representative of those prepared by individuals working in a profession within the criminal justice system.  
**Credits**  
3  
**Grade Mode**  
Standard  
**May the course be repeated for credit?**  
No  
**Course Level**  
Branch technical (101-2999)

PBST110 - Basic Police Operations  
**Subject Code**  
PBST  
**Course Number**  
110  
**Long Title**  
Basic Police Operations  
**Description**  
Explains duties, authority, responsibilities, and rights of the uniformed police officer. Emphasis on the function of the patrol officer as it relates to criminal investigation, intelligence vice units and traffic administration.  
**Credits**  
3  
**Grade Mode**  
Standard  
**May the course be repeated for credit?**  
No  
**Course Level**  
Branch technical (101-2999)
PBST119 - Traffic Accident Investigation

Subject Code
PBST

Course Number
119

Long Title
Traffic Accident Investigation

Description
Studies traffic collisions using scientific methods: vehicle speed calculation, timed distance speed, report writing, diagramming. Explores legal, statistical, professional aspects of the field. Dynamic vehicle experiments; practical exercises gathering facts for traffic investigators.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

PBST120 - Emergency Management Planning

Subject Code
PBST

Course Number
120

Long Title
Emergency Management Planning

Description
Developing an effective emergency planning system. Fundamentals of emergency planning process and rationale behind planning. Effective all-hazard emergency planning operations planning process to save lives and protect property threatened by disaster.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
PBST121 - Introduction to Security

Subject Code

PBST

Course Number

121

Long Title

Introduction to Security

Description

Examines the history of security, the role of security professionals, terrorism and national strategies, crime prevention, workplace security, security of physical structures, risk management, critical infrastructure and key national resources, future of security technology.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)

PBST131 - Introduction to Transportation Security

Subject Code

PBST

Course Number

131

Long Title

Introduction to Transportation Security

Description

Examines securing transportation systems, passengers, and cargo. Components of major transportation systems and various security threats, risks, and vulnerabilities they face. Discusses issues involving governmental and non-governmental entities involved in transportation.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Branch technical (101-2999)
PBST193 - Special Topics

Subject Code
PBST

Course Number
193

Long Title
Special Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
Yes

How many hours can the course be repeated?
6

Course Level
Branch technical (101-2999)

PBST204 - Constitutional Law for Public Safety Personnel

Subject Code
PBST

Course Number
204

Long Title
Constitutional Law for Public Safety Personnel

Description
Introduces constitutional law; guarantees of personal liberties in federal constitution. Jurisdiction of U.S. Supreme Court and lower courts, case law, fundamental rights such as trials by jury, right to counsel, privilege, self-incrimination.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
PBST220 - Exercise Design and Evaluation

Subject Code
PBST

Course Number
220

Long Title
Exercise Design and Evaluation

Description
Fundamentals of emergency management exercise design, management, evaluation. Introduces comprehensive exercise program for improving four phases of emergency management. Meets FEMA guidelines for exercise design and evaluation courses and DHS Exercise and Evaluation Program.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

PBST221 - Developing Volunteers

Subject Code
PBST

Course Number
221

Long Title
Developing Volunteers

Description
Designed to provide insight into tasks roles, and responsibilities required for emergency managers to effectively manage volunteer resources during a disaster.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
PBST230 - Intelligence Analysis and Security Management

Subject Code
PBST

Course Number
230

Long Title
Intelligence Analysis and Security Management

Description
Identifies components of intelligence analysis and security management. Duties and relationships of different intelligence agencies; historical events with important intelligence analysis and impact of analysis. Importance of security management upon security of the homeland.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

PBST232 - Homeland Security Risk Assessment

Subject Code
PBST

Course Number
232

Long Title
Homeland Security Risk Assessment

Description
Examine U.S. homeland security goals; explore the all hazards concept of threat. Domestic and foreign threats, methods of attack, likely targets. Process of identifying threat, risk and vulnerability, impact of attacks.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
RCTB1110 - Radiation Control Technology Boot Camp

Subject Code
RCTB

Course Number
1110

Long Title
Radiation Control Technology Boot Camp

Description
Twelve-week boot camp-style course designed to prepare students for a career in radiation control technology. Topics include monitoring environmental radioactivity levels, responding in emergencies, and performing decontamination procedures. Students must be accepted into an approved Radiation Control Technology Apprenticeship program with local employer. Corequisite: 1110L. Restriction: permission of instructor.

Credits
9

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Corequisites
- Concurrently enrolled in:
  - RCTB1110L - Radiation Control Technology Boot Camp Laboratory (1)
RCTB1110L - Radiation Control Technology Boot Camp Laboratory

**Subject Code**
RCTB

**Course Number**
1110L

**Long Title**
Radiation Control Technology Boot Camp Laboratory

**Description**
Students will learn how to use appropriate tools and practices to monitor environmental radioactivity levels, respond in emergencies, perform decontamination procedures, and other job related tasks to radiation control technology. Students must be accepted into an approved Radiation Control Technology Apprenticeship program with local employer. Corequisite: 1110. Restriction: permission of instructor.

**Credits**
1

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

**Corequisites**
- Concurrently enrolled in:
  - RCTB1110 - Radiation Control Technology Boot Camp (9)

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**Religion**
RELG1110 - Introduction to World Religions

Subject Code

RELG

Course Number

1110

Long Title

Introduction to World Religions

Description

This course introduces major world religions and the scholarly methods of the academic study of religion. Religions covered may include Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity, Islam and/or New Religious Movements. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area V: Humanities
RELG1120 - Introduction to the Bible

**Subject Code**
RELG

**Course Number**
1120

**Long Title**
Introduction to the Bible

**Description**
An introductory study of the structure and content of the Hebrew and Christian Scriptures. This class provides the context and reading skills for study and investigation of the Bible and its influence upon western culture and religion.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)
RELG2110 - Eastern Religions

Subject Code
RELG

Course Number
2110

Long Title
Eastern Religions

Description
Provides an academic overview of major religious traditions of Asia (mainly India, China, and Japan), which may include Hinduism, Buddhism, Sikhism, Jainism, Confucianism, Daoism, Shinto, and/or Shamanism as well as popular, tribal, or new religions. Students will be assigned both primary and secondary texts. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities
RELG2120 - Western Religions

Subject Code
RELG

Course Number
2120

Long Title
Western Religions

Description
This is a survey course that will cover major religious traditions of the West, including the three Abrahamic religions (Judaism, Christianity, and Islam) and other religious systems. The course will focus on how each tradition has developed historically and how it exists in the world today. Meets New Mexico General Education Curriculum Area 5: Humanities.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area V: Humanities

Robotics
ROBO201 - Industrial Robotics Operations

Subject Code
ROBO

Course Number
201

Long Title
Industrial Robotics Operations

Description
This course covers basic robotics operations, including robotics system components, peripherals, robot set-up, programming, production, and robotics operation safety practices. Prerequisite: CS 151L and ELCT 163.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - Course Not Found
  - ELCT163 - Advanced Robotics (3)
ROBO202 - Advanced Industrial Robotics

Subject Code
ROBO

Course Number
202

Long Title
Advanced Industrial Robotics

Description
This course covers industrial robotics programming and intelligent visual recognition software. Students will work with robots, peripheral equipment, and workspaces specific to industrial manufacturing robots. Prerequisite: 201.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ROBO201 - Industrial Robotics Operations (3)
ROBO204 - Programmable Logic Controllers

Subject Code
ROBO

Course Number
204

Long Title
Programmable Logic Controllers

Description
This course explores the many aspects of Programmable Logic Controllers (PLCs) from basic concepts to system level applications, wiring, programming, and industrial applications. Prerequisite: ELCT 163.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ELCT163 - Advanced Robotics (3)
ROBO290 - Robotics Synthesis

Subject Code
ROBO

Course Number
290

Long Title
Robotics Synthesis

Description
This is a capstone course in robotics. Students will integrate and demonstrate all previously gained robotics, electronics, manufacturing, CADD, and programming skills to produce a comprehensive robotic project.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

Prerequisites
- Earned a minimum grade of C in each of the following:
  - ROBO202 - Advanced Industrial Robotics (3)

ROBO293 - Topics

Subject Code
ROBO

Course Number
293

Long Title
Topics

Description
This is a topics course in robotics.

Credits
1 - 3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
Russian

RUSS1110 - Russian I
Subject Code
RUSS

Course Number
1110

Long Title
Russian I

Description
This is an entry level Russian course for students with no previous exposure to the language. The purpose of this beginning course is to develop listening, speaking, reading and writing skills to communicate at a basic level. After the completion of the course, students will be able to perform in specific situations at the Novice-Mid level on the American Council on the Teaching of Foreign Languages proficiency scale.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
RUSS1120 - Russian II

Subject Code
RUSS

Course Number
1120

Long Title
Russian II

Description
This is an entry-level continuation course for students that have completed 1110. The course will use a communicative approach to cover the fundamentals of basic vocabulary, grammar, conversation and culture. After the completion of the course, students will be able to perform in specific situations at the Novice-High level on the American Council on the Teaching of Foreign Languages proficiency scale.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement

Sociology
SOCI1110 - Introduction to Sociology

Subject Code

SOCI

Course Number

1110

Long Title

Introduction to Sociology

Description

This course will introduce students to the basic concepts and theories of sociology, as well as to the methods utilized in sociological research. The course will address how sociological concepts and theories can be utilized to analyze and interpret our social world, and how profoundly our society and the groups to which students belong influence them. Students will be given the opportunity to challenge their “taken for granted” or “common sense” understandings about society, social institutions, and social issues. Special attention will also be paid to the intimate connections between their personal lives and the larger structural features of social life. In addition, the implications of social inequalities, such as race/ethnicity, gender, and social class will be central to the course's examination of social life in the United States. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity

Area IV: Social and Behavioral Sciences
SOCI2120 - Introduction to Criminal Justice Systems

Subject Code

SOCI

Course Number

2120

Long Title

Introduction to Criminal Justice Systems

Description

This course provides an introduction to social issues that are currently affecting the criminal justice system in the United States. The course will cover the history of the U.S. criminal justice system and how our system compares with other countries. We will address how the U.S. criminal justice system attempts to create and preserve a balance between sustaining order, maintaining individual rights, and promoting justice. Important themes also include, but are not limited to discussions of how crime and delinquency are measured, key correlates of crime, sociological approaches to researching crime, sociological theories of crime, the quality of crime data in the U.S. and how it is used to make public policy decisions, and the causes and consequences of mass incarceration in the United States. Prerequisite: 1110.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Prerequisites

- Earned a minimum grade of C in at least 1 of the following:
  - Course Not Found
  - SOCI1110 - Introduction to Sociology (3)

Gen Ed Areas & Diversity
SOCl2210 - Sociology of Deviance

**Subject Code**
SOCl

**Course Number**
2210

**Long Title**
Sociology of Deviance

**Description**
This course is designed to provide an overview of the study of deviance and social control from multiple sociological perspectives. The instructor will present how sociologists research deviance and social control and the ethical issues involved in studying human subjects involved in these activities. The course also examines central sociological theories for understanding the causes of deviant behavior. Prerequisite: 1110.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Prerequisites**
- Earned a minimum grade of C in at least 1 of the following:
  - SOCI1110 - Introduction to Sociology (3)
  - Course Not Found
SOCI2310 - Contemporary Social Problems

Subject Code

SOCI

Course Number

2310

Long Title

Contemporary Social Problems

Description

This course studies the nature, scope, and effects of social problems and their solutions. The course will concentrate on sociological perspectives, theories, and key concepts when investigating problems, such as inequality, poverty, racism, alienation, family life, sexuality, gender, urbanization, work, aging, crime, war and terrorism, environmental degradation, and mass media. This course is designed to build students’ sociological understanding of how sociological approaches attempt to clarify various issues confronting contemporary life, as well as how sociologists view solutions to these problems. Prerequisite: 1110.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Prerequisites

- Earned a minimum grade of C in at least 1 of the following:
  - SOCI1110 - Introduction to Sociology (3)
  - Course Not Found
**SOCI2315 - The Dynamics of Prejudice**

**Subject Code**

SOCI

**Course Number**

2315

**Long Title**

The Dynamics of Prejudice

**Description**

This course is designed to help students understand how attitudes and beliefs of individuals shape intergroup relations and their impacts on the daily lives of individuals as well as the effects that these beliefs have on the larger social structure of American society. We will examine how profoundly our society and the groups to which we belong, influence us and our beliefs and ultimately how these beliefs shape prejudice in our society. In this course, students are encouraged to challenge ideologies that are considered "common sense" or that are taken for granted and this in turn will allow them to critically engage issues in society such as racism, classism, sexism, and will leave with an understanding on how privilege affects our views on disability, LGBTQ issues, religion and immigration. Rather than investigating these themes in the abstract, students will identify and unpack how these larger structural issues play integral roles in their everyday lives, interactions, and existence. Ultimately, this course aims to address the social inequalities that exists in our society as a result of prejudice and will challenge students to identify and engage in strategies to work towards changing these aspects of society. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences.

**Credits**

3

**Grade Mode**

Standard

**May the course be repeated for credit?**

No

**Course Level**

Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**

Area IV: Social and Behavioral Sciences
UNM Diversity, Equity, Inclusion, and Power Requirement
SOCI2340 - Global Issues

Subject Code
SOCI

Course Number
2340

Long Title
Global Issues

Description
Many of the problems we face on a daily basis are global in scope and global in origin. The world is now more interconnected than ever. The things that happen in China or in Saudi Arabia affect us in the United States, just as the things that we do here affect the people in Russia or Egypt. This course offers a sociological perspective on this phenomenon of globalization and explores its origins in the culture of capitalism. To this end, we will examine topics such as consumption, labor, migration and immigration, economic inequality, the natural environment, and health. We will also consider various ways in which these problems can, or cannot, be solved for us and for future generations. Meets New Mexico General Education Curriculum Area 4: Social and Behavioral Sciences. Prerequisite: 1110.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Earned a minimum grade of C in at least 1 of the following:
  - SOCI1110 - Introduction to Sociology (3)
  - Course Not Found

Spanish
SPAN1110 - Spanish I

Subject Code
SPAN

Course Number
1110

Long Title
Spanish I

Description
Designed for students with little exposure to Spanish, this course develops basic listening, speaking, reading, and writing skills and basic intercultural competence in interpretive, interpersonal and presentational modes of communication at the Novice Level of proficiency based on ACTFL guidelines. During this course, students perform better and stronger in the Novice-Mid level while some abilities emerge in the Novice High range. This is an introductory course aimed at helping the student to communicate in Spanish in everyday familiar situations via recognition and production of practiced or memorized words, phrases, and simple sentences. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
SPAN1120 - Spanish II

Subject Code
SPAN

Course Number
1120

Long Title
Spanish II

Description
Designed for students with some degree of exposure to Spanish in high school and/or at home, this course continues to develop basic listening, speaking, reading, and writing skills and basic intercultural competence in interpretive, interpersonal and presentational modes of communication at the Novice High Level of proficiency based on ACTFL guidelines, although a few abilities may emerge in the Intermediate Low Level. Students in this course communicate in Spanish in familiar topics using a variety of words, phrases, simple sentences and questions that have been highly practiced and memorized. Meets University of New Mexico General Education Curriculum Area 6: Second Language.

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
SPAN1125 - Conversational Spanish I

Subject Code
SPAN

Course Number
1125

Long Title
Conversational Spanish I

Description
This third-semester Spanish course emphasizes oral communication, idiomatic usage and the development of vocabulary, with a review of basic syntax. Offered on a CR/NC basis only.

Credits
1

Grade Mode
Credit/No Credit

May the course be repeated for credit?
No

Course Level
Lower division undergraduate (100-2999)

Prerequisites
- Completed with a minimum grade of C or concurrently enrolled in at least 1 of the following:
  - SPAN1110 - Spanish I (3)
  - SPAN1120 - Spanish II (3)

Gen Ed Areas & Diversity
Area VI: UNM Second Language Requirement
SPAN2996 - Topics

Subject Code
SPAN

Course Number
2996

Long Title
Topics

Description
A course exploring a topic not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Credits
1 - 6

Grade Mode
Standard

May the course be repeated for credit?
No

How many times can the course be repeated?
99

Course Level
Lower division undergraduate (100-2999)

Theatre
THEA1110 - Introduction to Theatre

**Subject Code**
THEA

**Course Number**
1110

**Long Title**
Introduction to Theatre

**Description**
This course provides an introduction to the study of theatre. Students will examine various components that comprise theatre, such as acting, directing, playwriting, dramaturgy, scenic and costume design, stagecraft, spectatorship, history, theory, and criticism. Meets New Mexico General Education Curriculum Area 7: Arts & Design.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Lower division undergraduate (100-2999)

**Gen Ed Areas & Diversity**
Area VII: Arts and Design

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**Welding Technology**
WLDT101 - Welding Blueprint Reading, Theory, and Safety

**Subject Code**
WLDT

**Course Number**
101

**Long Title**
Welding Blueprint Reading, Theory, and Safety

**Description**
Introductory course on welding blueprint reading and related theory. Students demonstrate competency by satisfactory completion of instructional modules and American Welding Society Standards. Course combines lecture and laboratory instructional formats.

**Credits**
4

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

WLDT104 - NCCER Core

**Subject Code**
WLDT

**Course Number**
104

**Long Title**
NCCER Core

**Description**
Required introduction to the National Center for Construction Education and Research for certification. Topics studied include basic math, communications, prints, methods, and ethics. Students demonstrate skills level through laboratory assignments.

**Credits**
4

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)
WLDT105 - Arc Welding I

Subject Code
WLDT

Course Number
105

Long Title
Arc Welding I

Description
This course will introduce the student to the process of electrode manipulation, position welding and use of the different welding machines.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

WLDT107 - Advanced Arc Welding

Subject Code
WLDT

Course Number
107

Long Title
Advanced Arc Welding

Description
Directed to achieving high quality S.M.A.W. welds, which conform to specific codes and procedures. Competency in this course is encouraged before attempting pipe classes. Course will introduce American Welding Society D5.0 welding qualification codes. Prerequisite: 104*, 105*, 106*.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
**WLDT108 - Oxyfuel Welding I**

**Subject Code**
WLDT

**Course Number**
108

**Long Title**
Oxyfuel Welding I

**Description**
This course will introduce the student to gas welding process. The student will learn to handle and use the acetylene gas form of welding.

**Credits**
4

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)

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**WLDT112 - Gas Metal Arc Welding I**

**Subject Code**
WLDT

**Course Number**
112

**Long Title**
Gas Metal Arc Welding I

**Description**
GMAW and FCAW General safety procedures. Equipment setup and use GMAW and FCAW. Select and use different filler metal and shielded gas. Make multiple-pass filler and V-Groove welds on carbon steel plate in various positions.

**Credits**
3

**Grade Mode**
Standard

**May the course be repeated for credit?**
No

**Course Level**
Branch technical (101-2999)
WLDT120 - General Welding Applications

Subject Code
WLDT

Course Number
120

Long Title
General Welding Applications

Description

Credits
3

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)

WLDT141 - Gas Tungsten Arc Welding I

Subject Code
WLDT

Course Number
141

Long Title
Gas Tungsten Arc Welding I

Description
Arc Welding Course designed to further the knowledge and skills of welders. The course begins with a short review of pipe welding and groove welds on plate in all positions and covers stainless steel, cupro nickel alloys, hard facing processes, gas metal arc welding or MIG. and Gas Tungsten Arc Welding or TIG. Advanced uses for oxyacetylene and tempering and hardening steel and its alloys are also taught.

Credits
4

Grade Mode
Standard

May the course be repeated for credit?
No

Course Level
Branch technical (101-2999)
Programs

Associate of Applied Science in Accounting

Degree/certificate name
Associate of Applied Science in Accounting

Program Level
Undergraduate

Program Description
This degree program is designed to help students prepare for entry into the accounting field as accounting clerks or technicians. The core courses in general education combined with computer applications provide the necessary skills for success in today's changing business world. Students will become proficient in basic accounting principles: manual and computerized journals; posting; adjustments; monthly statements; payroll; bank reconciliations; cash flow reports; invoices; and the basics of taxes. Some, but not all, of the required courses will transfer to a BBA program at UNM Albuquerque Campus. Students planning to seek a four-year degree in accounting, or another business field should pursue an Associate of Arts in Pre-Business Administration.

Requirements

General Education Requirements
15 Total Credits

- Complete all of the following
  - Area 1: Communication
  - Earn at least 3 credits from the following types of courses:
    - Area 1: Communication. (ENGL 1110 and ENGL 1120 Recommended)
    - Area 2: Mathematics and Statistics
  - Earn at least 3 credits from the following types of courses:
    - Area 2: Mathematics and Statistics (MATH 1220 Recommended)
    - Area 3: Physical and Natural Sciences and Area 4: Social and Behavioral Sciences
  - Earn at least 3 credits from the following types of courses:
    - Area 3: Physical and Natural Sciences and or Area 4: Social and Behavioral Sciences. (PSYC 1110 or SOCI 1110 are recommended.)
    - Area 5: Humanities and Area 7: Arts and Design
  - Earn at least 3 credits from the following types of courses:
    - Area 5: Humanities and Area 7: Arts and or Design
    - Area 8: Student Choice
  - Earn at least 3 credits from the following types of courses:
    - Areas 1-7. Students who do not place into English 1120 may apply the credit hours from the prerequisite English 1110 (or the equivalent English 1110Y) to help fulfill Area 8 requirements.

Elective Requirements
13 Total Credits

- Complete all of the following
  - Earn at least 13 credits from the following:
    - BSTC113 - Introduction to Project Management (1)
    - BSTC114 - Customer Service And Relations (1)
    - BSTC115 - Time Management (1)
    - BSTC116 - Stress Management For The Workplace (1)
    - BSTC117 - Organization Skills For The Workplace (1)
    - BSTC118 - Conflict Resolution (1)
    - BSTC204 - Human Relations in Business (3)
    - BSTC193 - Topics (1 - 3)
    - BSTC293 - Topics (1 - 4)
Core Course Requirements

32 Total Credits

- Complete all of the following
- Complete the following:
  - BSTC202 - Microcomputer Accounting (3)
  - BSTC203 - Business Communication (3)
  - BSTC218 - Business Law (3)
  - BSTC212 - Introduction To Income Tax (3)
  - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
  - CT202 - Applications of Spreadsheets (3)
  - USA1110 - Introduction to Business (3)
  - MGMT158 - Ethics in Organizations (3)
  - ACCT2110 - Principles of Accounting I (3)
  - ACCT2120 - Principles of Accounting II (3)
- Earn at least 2 credits from the following:
  - ACCT1125 - Supplemental Instruction to Financial Accounting (1)
- Note: Students must take ACCT 1125 twice, as Supplemental Instruction with both ACCT 2110 and ACCT 2120.

Grand Total Credits: 60

Degree Credit Hours

60

Are students required to complete a concentration?

No

Are students required to complete an emphasis?

No

Associate of Applied Science in Applied Technologies

Degree/certificate name

Associate of Applied Science in Applied Technologies

Program Level

Undergraduate
**Program Description**

This program is designed to develop skills that will assist students in gaining employment as entry level technicians. Program content is intended to provide a balance of performance skills in electro-mechanical technology and solar technology. Students will be provided with quality training and career pathways in modern applied technologies. Students will learn to use the techniques, skills, and modern applied science tools necessary for professional practice in their chosen area of concentration.

Building on the basic technical core courses, students in the Electro-Mechanical Concentration will learn the basic elements of DC circuits, AC electronic components, and electronic devices. Students will also be introduced to fundamental mechanical systems (vacuum, cryogenic, and hydraulic systems) and their design, assembly, and operation.

A minimum of 60 credit hours with a minimum grade point average of 2.0. At least 15 of these 60 hours must be UNM catalog credit courses taken in residence. Minimum grade of C (not C-) in each Technical Core course.
Requirements

General Education Requirements
15 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 1: Communication
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 2: Mathematics and Statistics
  - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 4: Social and Behavioral Sciences
  - Area 5: Humanities
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 5: Humanities
  - Area 8: Student Choice
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 8: Student Choice

Elective Requirements
1 Total Credits

- Earn at least 1 credits from the following:
  - FYEX1110 - First-Year Seminar (1 - 3)
  - BSTC111 - Introduction to E-Commerce (3)
  - BSTC113 - Introduction to Project Management (1)
  - BSTC114 - Customer Service And Relations (1)
  - BSTC115 - Time Management (1)
  - BSTC116 - Stress Management For The Workplace (1)
  - BSTC117 - Organization Skills For The Workplace (1)
  - BSTC118 - Conflict Resolution (1)
  - CS102 - Introduction To Unix (1)

Core Course Requirements
44 Total Credits

- Complete all of the following
  - Complete the following:
    - CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors (4)
    - PHYS1115 - Survey of Physics (3)
    - PHYS1115L - Survey of Physics Laboratory (1)
    - DRFT103 - Introduction to Drafting (3)
    - DRFT119 - Drafting-Blueprint Reading (3)
    - ELCT105L - Industrial Shop Practice (3)
    - MCHT101L - Basic Welding (4)
  - Earn at least 3 credits from the following types of courses:
    - Choose one (1) additional course from the UNM General Education Program in Area 2: Mathematics and Statistics.
    - Electro-Mechanical Technology
  - Earn at least 20 credits from the following types of courses:
    - Concentration courses (see concentrations below).

Grand Total Credits: 60

Degree Credit Hours

60
Associate of Applied Science in Applied Technologies - Electro-Mechanical Technology

Concentration Title
Associate of Applied Science in Applied Technologies - Electro-Mechanical Technology

Concentration Requirements
- Complete the following:
  - ELCT101L - DC Circuit Analysis (4)
  - ELCT102L - AC Circuit Analysis (4)
  - ELCT103 - Mechanical Systems (3)
  - ELCT137 - Digital Electronics I (combinational Logic) (3)
  - ELCT203L - Electronic Devices (4)
  - ELCT204L - Electronics Lab (2)

Grand Total Credits: 20

Concentration Description
Building on the basic technical core courses, students in the Electro-Mechanical Concentration will learn the basic elements of DC circuits, AC electronic components, and electronic devices. Students will also be introduced to fundamental mechanical systems (vacuum, cryogenic, and hydraulic systems) and their design, assembly, and operation.

Associate of Applied Science in Business

Degree/certificate name
Associate of Applied Science in Business

Program Level
Undergraduate

Program Description
The Associate of Applied Science in Business is designed for students who are preparing for a career in business, and can be used as a terminal qualification to support subsequent entrance into the work force, or it may form the basis for additional coursework leading to an associate’s degree. The broad-based curriculum includes the use of microcomputers and their applications and focuses on the fundamentals of business. Students will choose a concentration in either management or marketing during their course of studies.
Complete all of the following:

- Earn at least 3 credits from the following types of courses:
  Communication (3 Credit Hours) Select three credit hours from UNM General Education Curriculum courses in this area. (English 1120 recommended)
- Earn at least 3 credits from the following types of courses:
  Mathematics and Statistics (3 Credit Hours) Select three credit hours from UNM General Education Curriculum courses in this area. (Math 1220 Recommended)
- Earn at least 3 credits from the following types of courses:
  Physical and Natural Sciences or Social and Behavioral Sciences (3 Credit Hours) Select three credit hours from UNM General Education Curriculum courses in these areas. (SOCI 1110: Introduction to Sociology or PSYCH 1110: Introduction to Psychology Recommended)
- Earn at least 3 credits from the following types of courses:
  Humanities or Arts and Design (3 Credit Hours) Select three hours from UNM General Education Curriculum courses in these areas.
- Earn at least 3 credits from the following types of courses:
  Student Choice (3 Credit Hours) Select one additional General Education course from Areas 1-7. Students who do not place into English 1120 may apply the credit hours from the prerequisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Complete the following:
- BSTC203 - Business Communication (3)
- BCIS1110 - Fundamentals of Information Literacy and Systems (3)
- BUSA1110 - Introduction to Business (3)
- MGMT158 - Ethics in Organizations (3)
- ACCT2110 - Principles of Accounting I (3)
- ACCT2120 - Principles of Accounting II (3)

Earn at least 2 credits from the following:
- ACCT1125 - Supplemental Instruction to Financial Accounting (1)

Note: Students must take ACCT1125 twice, as Supplemental Instruction to accompany both ACCT2110 and ACCT2120.
- Concentration Hours (25 Credit Hours)

Grand Total Credits: **35**

**Degree Credit Hours**

60

**Are students required to complete a concentration?**

Yes

**Are students required to complete an emphasis?**

N/A
Associate of Applied Science in Business - Management

Concentration Title
Associate of Applied Science in Business - Management

Concentration Requirements

- Complete all of the following
  - BSTC113 - Introduction to Project Management (1)
  - BSTC115 - Time Management (1)
  - BSTC117 - Organization Skills For The Workplace (1)
  - BSTC118 - Conflict Resolution (1)
  - BSTC204 - Human Relations in Business (3)
  - BSTC218 - Business Law (3)

- Earn at least 15 credits from the following:
  - BSTC111 - Introduction to E-Commerce (3)
  - BSTC114 - Customer Service And Relations (1)
  - BSTC116 - Stress Management For The Workplace (1)
  - BSTC193 - Topics (1 - 3)
  - BSTC292 - Topics (1 - 3)
  - BSTC299 - Cooperative Work Experience (1 - 3)
  - CT165 - Introduction to Web Authoring (3)
  - CT202 - Applications of Spreadsheets (3)
  - FYEX1110 - First-Year Seminar (1 - 3)
  - MKTG2110 - Principles of Marketing (3)
  - ECON2110 - Macroeconomic Principles (3)
  - ECON2120 - Microeconomic Principles (3)
  - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
  - DMA166 - Digital Media Arts II: Illustrator (3)
  - Course Not Found

Grand Total Credits: 25

Concentration Description
About the Management Concentration Building on the common core requirements of this degree, students in the management concentration will take courses in management, human relations, business law, and management accounting.

Associate of Applied Science in Fire Science

Degree/certificate name
Associate of Applied Science in Fire Science

Program Level
Undergraduate
Program Description

About the Program: This program is designed to develop skills that will assist a student in gaining employment in various fire science and emergency medical services career fields. Graduates may expect to find employment opportunities with public fire departments, insurance companies, industrial firms, governmental agencies, educational organizations, ambulance services and fire protection manufacturing and research groups. This degree program will help enable persons currently employed in fire service to prepare themselves for advancement in their careers or begin a pathway to becoming an EMT. It will provide the student new to fire science and emergency medical services with the general education and technical training to succeed as a Fire Science professional. Program content is based on the national Fire and Emergency Services Higher Education (FESHE) curriculum.

A student must earn a minimum of 60 credit hours with a minimum grade point average of 2.5. At least 15 of these 60 credit hours must be UNM catalog credit courses taken in residence. The students must have a minimum of C (not C-) in each Technical Core course.

Requirements

General Education Requirements
15 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 1: Communication
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 2: Mathematics and Statistics
  - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 4: Social and Behavioral Sciences
  - Area 5: Humanities and Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 5: Humanities and Area 7: Arts and Design
  - Area 8: Student Choice
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 8: Student Choice

Elective Requirements
3 Total Credits

- Earn at least 3 credits from the following:
  - FISC104 - Wildland Firefighting (3)
  - FISC103 - Hazardous Materials (3)
  - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
  - FYEX1110 - First-Year Seminar (1 - 3)
  - EMS180 - EMT-Intermediate (5)
  - EMS142 - EMT-Basic Lab (2)
  - EMS143 - EMT-Intermediate Lab (1)
  - EMS151 - EMT-I Clinical and Field Experience (2)
  - EMS113 - EMT-Basic (8)

Core Course Requirements
42 Total Credits

- Complete all of the following
  - Complete the following:
    - BIOL1140 - Biology for Health Sciences (3)
BIOL1140L - Biology for Health Sciences Lab (1)
GEOL1110 - Physical Geology (3)
GEOL1110L - Physical Geology Lab (1)
FISC101 - Principles of Emergency Services (3)
FISC102 - Fire Prevention (3)
FISC105 - Principles of Fire and Emergency Services Safety and Survival (3)
FISC106 - Fire Behavior and Combustion (3)
FISC201 - Fire Protection Systems (3)
FISC212 - Building Construction for Fire Prevention (3)
FISC225 - Strategies and Tactics (3)
FISC103 - Hazardous Materials (3)
FISC210 - Incident Safety Officer (3)
FISC220 - Fire Protection Hydraulics and Water Supply (3)

Earn at least 4 credits from the following:

- CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors (4)
- CHEM1215 - General Chemistry I for STEM Majors (3)
- CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)

Grand Total Credits: **60**

**Degree Credit Hours**

60

**Are students required to complete a concentration?**

No

**Are students required to complete an emphasis?**

N/A

**Associate of Applied Science in General Studies**

**Degree/certificate name**

Associate of Applied Science in General Studies

**Program Level**

Undergraduate

**Program Description**

The Associate of Applied Science in General Studies is designed to provide students with the opportunity to tailor their specific program of study in a way not available through other UNM-Los Alamos programs. A student’s program may reflect either specialized or broad patterns of educational experience, or work-force needs. Most general education courses will articulate to four-year college programs.

Students planning to pursue a particular Bachelor's degree should familiarize themselves with the requirements of the transfer institution and select courses accordingly. Students planning to seek a four-year degree in Humanities or Social Sciences should pursue an Associate of Arts in Liberal Arts.
Requirements

General Education
15 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 3 credits from the following types of courses:
      UNM General Education Program in Area 1: Communication. (ENGL1120 Recommended)
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      UNM General Education Program in Area 2: Mathematics and Statistics.
  - Area 3: Physical and Natural Sciences or Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      UNM General Education Program in Area 3: Physical and Natural with the associated lab or UNM General Education Program in Area 4: Social and Behavioral Sciences.
  - Area 5: Humanities or Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      Select three hours from UNM General Education Curriculum courses in Area 5 or in Area 7.
  - Area 8: Student Choice
    - Earn at least 3 credits from the following types of courses:
      Select one additional General Education course from Areas 1-7. Students who do not place into English 1120 may apply the credit hours from the prerequisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Computer Science, Information Technology
3 Total Credits

- Earn at least 3 credits from the following types of courses:
  Select three hours from UNM courses in these areas. (BCIS1110 recommended)

Elective Hours
42 Total Credits

- Earn at least 42 credits from the following types of courses:
  Students must complete 42 credit hours of electives numbered 1110 or higher: taking as many courses at the 2000 level as possible is recommended. Students intending to transfer into a specific four year degree program should consult with their transfer institution when selecting courses.

Grand Total Credits: 60

Degree Credit Hours
60

Are students required to complete a concentration?
No

Are students required to complete an emphasis?
N/A

Associate of Applied Science in Nuclear Enterprise Science and Technology

Degree/certificate name
Associate of Applied Science in Nuclear Enterprise Science and Technology

Program Level
Undergraduate
The AAS in Nuclear Enterprise Science and Technology program is designed to provide students with the skills and experience to qualify for entry-level positions in nuclear facilities, in positions such as Fissionable Material Handlers, Glovebox Operators, and Materials Management Technicians. This degree will also allow students wishing to pursue further education to ladder their credentials with additional coursework to acquire a Bachelor's Degree in Engineering Technology or related field. The goal of the program is to provide for a technically qualified workforce who can execute a variety of programmatic work in modern nuclear materials handling and processing facilities, and to expand participants' reasoning skills, communication skills and critical thinking skills to not just understand what to do on the job, but to understand the chemical, physical and biological implications of action and inaction related to their job duties.

The degree has emphases in both Nuclear Materials Handling Technology and Hazardous Materials Management and Waste Technology. Students select their emphasis based upon current employment, previous coursework, and work experience. Participants in the program must be able to obtain a security clearance through the Department of Energy and have instructor permission to enroll in the technical courses.

The program requires a minimum of 60-credit hours with a combination of General Education requirements, technical coursework and laboratory experiences of on-the-job training (OJT) with subject matter experts from Los Alamos National Laboratory and N3B. Technical program curriculum is based upon various Department of Energy (DOE) documents that address glovebox use and the handling of fissionable materials and waste operator qualification, and DOE Radiation Control Technician requirements. Additional course work includes physics, chemistry and biology courses. Students completing the program are prepared to take the DOE certification exams and will be prepared to work in nuclear facilities throughout New Mexico.

Requirements
General Education Requirements
15 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 1: Communication
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 2: Mathematics and Statistics
  - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 4: Social and Behavioral Sciences
  - Area 5: Humanities and Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 5: Humanities and Area 7: Arts and Design
  - Area 8: Student Choice
    - Earn at least 3 credits from the following types of courses:
      - Complete three (3) credit hours from the UNM General Education Program in Area 8: Student Choice

Elective Requirements
7 Total Credits

- Complete all of the following
  - Note: These are the elective requirements for both concentrations. Please consult with your concentration advisor to determine which courses are most appropriate, then select 7 credit hours not previously applied to the degree.
  - Earn at least 7 credits from the following:
    - FYEX1110 - First-Year Seminar (1 - 3)
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- BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory (4)
- BSTC113 - Introduction to Project Management (1)
- BSTC114 - Customer Service And Relations (1)
- BSTC115 - Time Management (1)
- BSTC116 - Stress Management For The Workplace (1)
- BSTC117 - Organization Skills For The Workplace (1)
- BSTC118 - Conflict Resolution (1)
- BSTC218 - Business Law (3)
- CHEM1225 - General Chemistry II for STEM Majors (3)
- CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)
- COMM1130 - Public Speaking (3)
- CT102 - Introduction To Microcomputers On The Pc (3 - 4)
- CT111 - Introduction To Computer Aided Design And Drafting (3)
- DRFT103 - Introduction to Drafting (3)
- ELCT101L - DC Circuit Analysis (4)
- ELCT137 - Digital Electronics I (combinational Logic) (3)
- ELCT162 - Robotics (3)
- ELCT163 - Advanced Robotics (3)
- ENG116 - Introduction to Engineering (3)
- MGMT158 - Ethics in Organizations (3)
- PHYS1115 - Survey of Physics (3)
- PHYS1115L - Survey of Physics Laboratory (1)
- PHYS1230 - Algebra-Based Physics I (3)
- PHYS1230L - Algebra-Based Physics I Laboratory (1)
- PSYC2120 - Developmental Psychology (3)

Core Course Requirements
18 Total Credits

- Complete the following:
  - NFFW1110 - Nuclear Facility Fundamentals (5)
  - ASFD1110 - Introduction to Actinide Science (5)
  - CHEM1215 - General Chemistry I for STEM Majors (3)
  - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
  - PHYS1115 - Survey of Physics (3)
  - PHYS1115L - Survey of Physics Laboratory (1)

Emphasis
20 Total Credits

- Earn at least 20 credits from the following types of courses:
  Complete one emphasis (see below).

Grand Total Credits: 60

Degree Credit Hours
60

Are students required to complete a concentration?
No

Are students required to complete an emphasis?
Yes

Emphasis Credit Hours
20
**Emphasis Requirements**

Emphasis Requirements

- Complete 1 of the following
  Hazardous Materials Management and Waste Technology Technician Concentration
    - Complete all of the following
      - Note: Instructor permission required for entry into these courses.
      - Complete the following:
        - BIOL1140 - Biology for Health Sciences (3)
        - BIOL1140L - Biology for Health Sciences Lab (1)
        - BSTC113 - Introduction to Project Management (1)
        - BSTC118 - Conflict Resolution (1)
        - GEOL1110 - Physical Geology (3)
        - GEOL1110L - Physical Geology Lab (1)
    - Earn at least 10 credits from the following:
      - RCTB1110 - Radiation Control Technology Boot Camp (9)
      - RCTB1110L - Radiation Control Technology Boot Camp Laboratory (1)
      - NWOB1110 - Nuclear Waste Operator Boot Camp (9)
      - NWOB1110L - Nuclear Waste Operator Boot Camp Laboratory (1)

Nuclear Materials Handler Technician Concentration

- Complete all of the following
  - Note: Instructor permission required for entry into these courses.
  - Complete the following:
    - NFFW1120 - Fissionable Material Handler (5)
    - NFFW1120L - Nuclear Facility Laboratory (5)
    - ASFD1120L - Nuclear Materials Process Laboratory (5)
    - ASFD1120 - Nuclear Materials Process Techniques (5)

**Associate of Arts in Art Studio**

**Degree/certificate name**

Associate of Arts in Art Studio

**Program Level**

Undergraduate

**Program Description**

This program provides students with the first two years of study toward a Bachelor's Degree in Fine Arts (BFA), Art Education, or Art History at UNM Albuquerque campus. These introductory courses emphasize concepts basic to the entire discipline of art studio. Courses and course sequences are designed to encourage the student’s power of observation and aesthetic awareness. The Associate of Arts degree program enables students to prepare for advanced study, gallery employment, studio assistant or a career as an individual artist; it also prepares students for further studies needed to pursue other options such as teaching, curatorial work in a museum, free-lance design and management positions.

**Requirements**

General Education Requirements
31 Total Credits

- Complete all of the following
  - Area 1: Communication
  - Earn at least 6 credits from the following types of courses:
    - UNM General Education Curriculum courses in Area 1: Communication.(Recommended ENGL 1120 and either ENGL 2120 or PHIL 1120)
    - Area 2: Mathematics and Statistics
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- Earn at least 3 credits from the following types of courses:
  UNM General Education Program in Area 2: Mathematics and Statistics.
  Area 3: Physical and Natural Sciences
- Earn at least 4 credits from the following types of courses:
  UNM General Education Program in Area 3: Physical and Natural with the associated lab.
  Area 4: Social and Behavioral Sciences
- Earn at least 3 credits from the following types of courses:
  UNM General Education Program in Area 4: Social and Behavioral Sciences.
  Area 5: Humanities
- Earn at least 3 credits from the following types of courses:
  UNM General Education Program in Area 5: Humanities.
  Area 6: Second Language
- Earn at least 3 credits from the following types of courses:
  UNM General Education Program in Area 6: Second Language
  Area 7: Arts and Design
- Earn at least 3 credits from the following types of courses:
  UNM General Education Program in Area 7: Arts and Design. (MUSC courses and FDMA courses recommended for those students who plan to transfer to a program for a BFA)
  Area 8: Student Choice
- Earn at least 6 credits from the following types of courses:
  General Education courses from two different Areas (1-7). Students who do not place into English 1120 may apply the credit hours from the prerequisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Technical Core Requirements
30 Total Credits
- Complete all of the following
  Art History
- Complete all of the following
  - Earn at least 3 credits from the following:
    - ARTH2110 - History of Art I (3)
    - ARTH2120 - History of Art II (3)
  - Earn at least 3 credits from the following:
    - ARTH2120 - History of Art II (3)
    - ARTH2130 - Modern Art (3)

Art Studio Core Courses
- Complete the following:
  - ARTS1610 - Drawing I (3)
  - ARTS1220 - Art Practices I (3)
  - ARTS1230 - Art Practices II (3)
  - ARTS1630 - Painting I (3)
  - ARTS1840 - Sculpture I (3)
  - ARTS1310 - Introduction to Ceramics (3)
  - ARTS1143 - Introduction to Arts and Ecology (3)

Electives
- Earn at least 3 credits from the following:
  - ARTS2996 - Topics (1 - 6)
  - ARTS2610 - Drawing II (3)
  - ARTS2630 - Painting II (3)
  - ARTS1996 - Topics (1 - 6)
  - ARTS1320 - Ceramics I (3)

Grand Total Credits: 61

Degree Credit Hours
61

Are students required to complete a concentration?
No
Are students required to complete an emphasis?

N/A

Associate of Arts in Liberal Arts

Degree/certificate name

Associate of Arts in Liberal Arts

Program Level

Undergraduate

Program Description

The Associate of Arts in Liberal Arts is a degree program for students who desire a broad background and comprehensive grounding in the Arts, Humanities, and Social Sciences. As a terminal degree, the A.A. in Liberal Arts provides students with a basic educational framework of value in a variety of fields including the arts, education, research, and business. As a transfer degree, its earned credits are the equivalent of the first two years of course work preparing students to choose a major field in the College of Arts and Sciences, and can be tailored to lead to a number of different majors at a four year institution.
Requirements

General Education Requirements
31 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 6 credits from the following types of courses:
      - UNM General Education Program in Area 1: Communication. (ENGL1120 and either ENGL2120 or PHIL 1120 are Recommended)
      - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 2: Mathematics and Statistics. (Math 1220 Recommended)
      - Area 3: Physical and Natural Sciences
    - Earn at least 4 credits from the following types of courses:
      - UNM General Education Program in Area 3: Physical and Natural with the associated lab.
      - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 4: Social and Behavioral Sciences.
      - Area 5: Humanities
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 5: Humanities.
      - Area 6: Second Language
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 6: Second Language
      - Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 7: Arts and Design.
      - Area 8: Student Choice
    - Earn at least 6 credits from the following types of courses:
      - UNM General Education Program from two different Areas (1-7). Students who do not place into English 1120 will apply the credit hours from the pre-requisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

General Elective Requirements
29 Total Credits

- Earn at least 29 credits from the following types of courses:
  - Must complete 29 credit hours of academic electives number 1110 or higher, and at least 20 credits must be from the 2000 level course offerings; as many 2000 level courses should be taken as possible. Electives should be chosen in consultation with a UNM-LA academic advisor to develop a program for transferring to upper division programs. Not all courses transfer. Students transferring to another school should check with their advisor (at UNM-LA or their transfer school) for the ability of any course to transfer.

Grand Total Credits: 60

Degree Credit Hours
60

Are students required to complete a concentration?
No

Are students required to complete an emphasis?
N/A

Associate of Arts in Pre-Business Administration

Degree/certificate name
Associate of Arts in Pre-Business Administration
Program Level
Undergraduate

Program Description
This degree program is designed to introduce students to the field of Business Administration and Management and provides the first two years of the Bachelor of Business Administration program offered by the Robert O. Anderson Schools of Management at UNM Albuquerque Campus. All of the required courses for this associate degree program transfer to that BBA program, and students will be admitted to junior status if the following conditions are met:

The student has a 2.0 cumulative GPA overall (see below), has a minimum grade of C (not C-) in each course listed under the Specific Requirements shown in the pre-admission course work, is eligible to enroll at UNM-Albuquerque.

Requirements

General Education Requirements
31 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 6 credits from the following types of courses:
      - UNM General Education Program in Area 1: Communication. (ENGL1110 and ENGL1120 Recommended)
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 2: Mathematics and Statistics. (Math 1220 Recommended)
  - Area 3: Physical and Natural Sciences
    - Earn at least 4 credits from the following types of courses:
      - UNM General Education Program in Area 3: Physical and Natural with the associated lab.
  - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 4: Social and Behavioral Sciences.
  - Area 5: Humanities
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 5: Humanities.
  - Area 6: Second Language
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 6: Second Language including any lower division non-English language offering of the Department of Linguistics (Including Sign Language), Spanish and Portuguese, Foreign Languages and Literatures, and foreign languages in other departments and programs.
  - Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Program in Area 7: Arts and Design.
  - Area 8: Student Choice
    - Earn at least 6 credits from the following types of courses:
      - UNM General Education Program from two different Areas (1-7). Students who do not place into English 1120 will apply the credit hours from the pre-requisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Core Course Requirements
29 Total Credits

- Complete all of the following
  - General Education
  - Complete all of the following
    - Complete at least 1 of the following:
      - ENGL2210 - Professional and Technical Communication (3)
      - ENGL2120 - Intermediate Composition (3)
    - Complete the following:
MATH1430 - Applications of Calculus I (3)

Complete the following:
- ECON2110 - Macroeconomic Principles (3)
- ECON2120 - Microeconomic Principles (3)

Computer Science
- Complete the following:
  - BCIS1110 - Fundamentals of Information Literacy and Systems (3)

Management
- Complete all of the following
  - ACCT2110 - Principles of Accounting I (3)
  - MATH1350 - Introduction to Statistics (3)
  - BUSA1110 - Introduction to Business (3)
  - ACCT2120 - Principles of Accounting II (3)

Earn at least 2 credits from the following:
- ACCT1125 - Supplemental Instruction to Financial Accounting (1)

Note: Students must take ACCT1125 twice, as Supplemental Instruction to accompany both ACCT2110 and ACCT2120.

Elective Requirements
3 Total Credits

- Earn at least 3 credits from the following:
  - MGMT158 - Ethics in Organizations (3)
  - MKTG2110 - Principles of Marketing (3)

Grand Total Credits: 63

Degree Credit Hours
63

Are students required to complete a concentration?
No

Are students required to complete an emphasis?
N/A

Associate of Science in Computer Science

Degree/certificate name
Associate of Science in Computer Science

Program Level
Undergraduate

Program Description
This degree program provides a strong foundation in Computer Science and is designed for students also interested in pursuing a baccalaureate degree in computer science. Program content is based upon the computer science baccalaureate degree offered at UNM Albuquerque campus in the School of Engineering. Computer scientists develop the Artificial Intelligence used in self-driving cars. They invent systems that can recognize and reply to human speech. A degree in CS can open up the door to a wide variety of careers.
Requirements

General Education
31 Total Credits

- Complete all of the following
  Communication
  - Earn at least 6 credits from the following types of courses:
    Select six credit hours from UNM GenEd Curriculum courses in this area.
  Mathematics and Statistics
  - Earn at least 3 credits from the following types of courses:
    Select three credit hours from UNM GenEd Curriculum courses in this area.
  Physical and Natural Sciences
  - Earn at least 4 credits from the following types of courses:
    Select four credit hours from UNM GenEd Curriculum courses in this area.
  Social and Behavioral Sciences
  - Earn at least 3 credits from the following types of courses:
    Select three credit hours from UNM GenEd Curriculum courses in this area.
  Humanities
  - Earn at least 3 credits from the following types of courses:
    Select three credit hours from UNM GenEd Curriculum courses in this area.
  Second Language
  - Earn at least 3 credits from the following types of courses:
    Select three credit hours from UNM GenEd Curriculum courses in this area.
  Arts and Design
  - Earn at least 3 credits from the following types of courses:
    Select three credit hours from UNM GenEd Curriculum courses in this area.
  Student Choice
  - Earn at least 6 credits from the following types of courses:
    Select two additional GenEd courses from two different areas (1-7). Students who do not place into ENGL1120 may apply the credit hours from the prerequisites ENGL1110 or ENGL1110Y to help fulfill area 8 requirements. Students may apply credit hours from the prerequisite CS108L to help fulfill area 8 requirements.

Technical Core Requirements
33 Total Credits

- Complete all of the following
  - Earned a minimum grade of C in each of the following:
    - CS241L - Data Organization (3)
    - CS251L - Intermediate Programming (3)
    - CS261 - Mathematical Foundations of Computer Science (3)
    - CS293 - Social and Ethical Issues in Computing (1)
    - ECE238L - Computer Logic Design (4)
    - MATH1522 - Calculus II (4)
    - PHYS1310 - Calculus-Based Physics I (3)
    - PHYS1310L - Calculus-Based Physics I Laboratory (1)
    - PHYS1320L - Calculus-Based Physics II Laboratory (1)
    - PHYS1320 - Calculus-Based Physics II (3)
  - Earned a minimum grade of B- in each of the following:
    - MATH1512 - Calculus I (4)
    - CS152L - Computer Programming Fundamentals (3)

Grand Total Credits: 64

Degree Credit Hours
64

Are students required to complete a concentration?
No

Are students required to complete an emphasis?
N/A
Associate of Science in Emergency Medical Services

**Degree/certificate name**

Associate of Science in Emergency Medical Services

**Program Level**

Undergraduate

**Program Description**

The Associate of Science in Emergency Medical Services is a specialized degree program designed to build a workforce that is customized to the expected needs of towns, cities and counties in Northern New Mexico and beyond. Students in the program will receive basic academic and specialized hands-on training needed to meet the professional educational needs of pre-hospital care providers.

The program is designed to meet the National EMS Education Standards for the respective licensure levels and incorporates New Mexico requirements and EMT scope of practice. Upon successful completion of degree requirements with a minimum GPA of 2.33, graduates will be qualified for New Mexico and National Registry testing and will have completed the core curriculum requirements for the UNM-Emergency Medical Services Academy B.S. in Emergency Medical Services, with the exception of BIOL 2225. It is recommended that students applying to the UNM EMS Academy take BIOL 2225 in addition to the required courses for the degree. The UNM EMS Academy requires a minimum of 2.5 GPA for admission. For transfer to other four-year institutions, students should be aware that core curriculum requirements are not necessarily met upon the completion of this degree.
Requirements

General Education Requirements
31 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 6 credits from the following types of courses:
      - Choose two (2) courses from the UNM General Education Program in Area 1: Communication.
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 2: Mathematics and Statistics.
  - Area 3: Physical and Natural Sciences
    - Earn at least 4 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 3: Physical and Natural Sciences, with the associated lab.
  - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 4: Social and Behavioral Sciences.
  - Area 5: Humanities
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 5: Humanities.
  - Area 6: Second Language
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 6: Second Language including any lower division non-English language offering of the Department of Linguistics (Including Sign Language), Spanish and Portuguese, Foreign Languages and Literatures, and foreign languages in other departments and programs.
  - Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 7: Arts and Design.
  - Area 8: Student Choice
    - Earn at least 6 credits from the following types of courses:
      - Choose two (2) courses from the UNM General Education Program from two different Areas (1-7).
      - Students who do not place into English 1120 will apply the credit hours from the pre-requisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Core Course Requirements
29 Total Credits

- Complete all of the following
  - Complete the following:
    - BIOL2210 - Human Anatomy and Physiology I (3)
    - BIOL2210L - Human Anatomy and Physiology I Laboratory (1)
    - CHEM1215 - General Chemistry I for STEM Majors (3)
    - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
    - EMS113 - EMT-Basic (8)
    - EMS142 - EMT-Basic Lab (2)
    - EMS120 - Introduction to EMS System (3)
    - EMS143 - EMT-Intermediate Lab (1)
    - EMS151 - EMT-I Clinical and Field Experience (2)
    - EMS180 - EMT-Intermediate (5)

Suggested Additional Courses
- Although not required for the Associates Degree, students applying to the UNM EMS Academy should also complete BIOL 2210. This may be taken as part of the flexible credit hours in general education or taken in addition to other requirements. Other suggested courses include: BIOL 2225: Human Anatomy and Physiology II (3) and BIOL 2225L: Human Anatomy and Physiology II Lab (1).

Grand Total Credits: 60

Degree Credit Hours
60
Are students required to complete a concentration?
No

Are students required to complete an emphasis?
N/A

Associate of Science in Environmental Science

Degree/certificate name
Associate of Science in Environmental Science

Program Level
Undergraduate

Program Description
This program provides students with the first two years of study toward a Bachelor’s degree in Environmental Science or Earth and Planetary Science at UNM Albuquerque Campus or other four-year institutions. As a terminal degree, it is sufficient preparation for certain technician jobs in areas such as environmental testing and remediation.

A minimum of 60 credit hours with a minimum grade point average of 2.0. At least 15 of these 60 hours must be UNM catalog credit courses taken in residence. It is strongly recommended that the student check the specific requirements for the B.S. or B.A. of interest if planning to transfer in order to make the best choices among the optional courses below.

Requirements
General Education Requirements
31 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 6 credits from the following types of courses:
      - Choose two (2) courses from the UNM General Education Program in Area 1: Communication.
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 2: Mathematics and Statistics.
  - Area 3: Physical and Natural Sciences
    - Earn at least 4 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 3: Physical and Natural Sciences with the associated lab.
  - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 4: Social and Behavioral Sciences.
  - Area 5: Humanities
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 5: Humanities.
  - Area 6: Second Language
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 6: Second Language including any lower division non-English language offering of the Department of Linguistics (Including Sign Language), Spanish and Portuguese, Foreign Languages and Literatures, and foreign languages in other departments and programs.
  - Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      - Choose one (1) course from the UNM General Education Program in Area 7: Arts and Design.
Area 8: Student Choice

Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program from two different Areas (1-7).
Students who do not place into English 1120 will apply the credit hours from the pre-requisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Core Course Requirements
21 - 37 Total Credits

- Complete all of the following Additional Mathematics

  - Complete all of the following
    - Check the specifics B.S. or B.A. degree of interest, as well as the prerequisites of the science courses chosen from the list below, to determine the best additional math courses.
    - Earned between 5 and 13 credits from the following:
      - MATH1230 - Trigonometry (3)
      - MATH1250 - Trigonometry and Pre-Calculus (5)
      - MATH1512 - Calculus I (4)
      - MATH1522 - Calculus II (4)

- Additional Physical and Natural Sciences

  - Complete all of the following
    - Check GEOL advisor for the specific B.S. or B.A. degree of interest to determine the best additional science courses. Other science courses besides those listed below might be approved, as well as courses in geography, engineering, or anthropology. Guidance from a GEOL advisor is essential. To prepare for a Bachelor’s Degree in Biology with a concentration in Conservation Biology or a B.S. in Physics with an EPS concentration, see the A.S. in Science program requirements. PHYS 1231, 1311, and 1321 are optional but strongly recommended practice problem-solving sections associated with PHYS 1230, 1310, and 1320 respectively.
    - Earned between 16 and 24 credits from the following:
      - BIOL1140 - Biology for Health Sciences (3)
      - BIOL1140L - Biology for Health Sciences Lab (1)
      - CHEM1225 - General Chemistry II for STEM Majors (3)
      - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)
      - GEOL2110C - Historical Geology Lecture and Laboratory (4)
      - PHYS1230 - Algebra-Based Physics I (3)
      - PHYS1231 - Problems in Algebra-Based Physics I (1)
      - PHYS1310 - Calculus-Based Physics I (3)
      - PHYS1320 - Calculus-Based Physics II (3)
      - PHYS1311 - Problems in Calculus-Based Physics I (1)
      - PHYS1321 - Problems in Calculus-Based Physics II (1)
      - ENG130L - Introduction to Engineering Computing (3)
      - CS152L - Computer Programming Fundamentals (3)

- Note: students must earn 29 credits total between the Mathematics and Physical & Natural Sciences Technical Core categories. Students who take earn fewer than 13 credits in the Mathematics category should make up the difference with additional Physical & Natural Sciences credits to earn the 60 credits required for the degree.

Grand Total Credits: **52 - 68**

**Degree Credit Hours**

60

Are students required to complete a concentration?

No

Are students required to complete an emphasis?

N/A

Associate of Science in Pre-Engineering
Degree/certificate name
Associate of Science in Pre-Engineering

Program Level
Undergraduate

Program Description
This program represents course work in the first two years of the baccalaureate degree at UNM in mechanical, chemical, nuclear, civil, construction and computer engineering. Students with this degree are qualified to enter the workforce as technicians in various engineering fields or to continue their studies to the baccalaureate level.

Requirements
General Education Requirements
31 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 6 credits from the following types of courses:
      Select six credit hours from UNM GenEd Curriculum courses in this area.
  - Area 2: Mathematics and Statistics
    - Earn at least 3 credits from the following types of courses:
      Select three credit hours from UNM GenEd Curriculum courses in this area.
  - Area 3: Physical and Natural Sciences
    - Earn at least 4 credits from the following types of courses:
      Select four credit hours from UNM GenEd Curriculum courses in this area.
  - Area 4: Social and Behavioral Sciences
    - Earn at least 3 credits from the following types of courses:
      Select three credit hours from UNM GenEd Curriculum courses in this area.
  - Area 5: Humanities
    - Earn at least 3 credits from the following types of courses:
      Select three credit hours from UNM GenEd Curriculum courses in this area.
  - Area 6: Second Language
    - Earn at least 3 credits from the following types of courses:
      Select three credit hours from UNM GenEd Curriculum courses in this area.
  - Area 7: Arts and Design
    - Earn at least 3 credits from the following types of courses:
      Select three credit hours from UNM GenEd Curriculum courses in this area.
  - Area 8: Student Choice
    - Earn at least 6 credits from the following types of courses:
      Select six credit hours from two different UNM GenEd areas (1-7). Students who do not place into ENGL1120 may apply the credit hours from the prerequisites ENGL1110 or ENGL1110Y to help fulfill area 8 requirements.

Additional Math
12 Total Credits

Math
- Complete the following:
  - MATH1522 - Calculus II (4)
  - MATH2531 - Calculus III (4)
  - MATH1512 - Calculus I (4)

Additional Science
4 - 12 Total Credits

- Complete at least 4 of the following:
  - CHEM1215 - General Chemistry I for STEM Majors (3)
  - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
  - CHEM1225 - General Chemistry II for STEM Majors (3)
  - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)
  - PHYS1310 - Calculus-Based Physics I (3)
Additional Engineering
15 - 17 Total Credits

- Complete at least 5 of the following:
  - CE202 - Engineering Statics (3)
  - ECE131L - Programming Fundamentals (4)
  - ECE203 - Circuit Analysis I (3)
  - ECE238L - Computer Logic Design (4)
  - ENG130L - Introduction to Engineering Computing (3)
  - ME160L - Mechanical Engineering Design I (3)
  - ME217 - Energy, Environment and Society (3)
  - ME260L - Mechanical Engineering Design II (3)

Grand Total Credits: 62 - 72

Degree Credit Hours
62

Are students required to complete a concentration?
No

Are students required to complete an emphasis?
N/A

Associate of Science in Pre-Professional Health Sciences

Degree/certificate name
Associate of Science in Pre-Professional Health Sciences

Program Level
Undergraduate

Program Description
There are jobs for many people other than doctors in hospitals and other medical settings. Some examples are nurses, dental hygienists, radiologic technicians, physical therapists, physician's assistants, medical laboratory technicians, occupational therapists, and pharmacists. All of these are essential to support the good health of a community.

This Pre-Professional Health Sciences degree program is designed for students who intend to enter one of these many medical careers. Almost all of these professions require at least a 4-year degree. The program allows students to complete the first two years of requirements before transferring to another institution to complete their degree.

Requirements
General Education Requirements
31 Total Credits

- Complete all of the following
  - Area 1: Communication
  - Earn at least 6 credits from the following types of courses:
    - Choose two (2) courses from the UNM General Education Program in Area 1: Communication.
    - Area 2: Mathematics and Statistics
  - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area 2: Mathematics and Statistics.

Area 3: Physical and Natural Sciences
Earn at least 4 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area 3: Physical and Natural with the associated lab.

Area 4: Social and Behavioral Sciences
Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area 4: Social and Behavioral Sciences.

Area 5: Humanities
Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area 5: Humanities.

Area 6: Second Language
Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area 6: Second Language including any lower division non-English language offering of the Department of Linguistics (Including Sign Language), Spanish and Portuguese, Foreign Languages and Literatures, and foreign languages in other departments and programs.

Area 7: Arts and Design
Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area 7: Arts and Design.

Area 8: Student Choice
Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program from two different Areas (1-7).

Students who do not place into English 1120 will apply the credit hours from the pre-requisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Elective Requirements
6 Total Credits

- Complete 1 of the following
- Earn at least 6 credits from the following:
  - BIOL2210 - Human Anatomy and Physiology I (3)
  - BIOL2210L - Human Anatomy and Physiology I Laboratory (1)
  - BIOL1140 - Biology for Health Sciences (3)
  - BIOL1140L - Biology for Health Sciences Lab (1)
  - BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory (4)
  - BIOL2410C - Principles of Biology: Genetics Lecture and Laboratory (4)
  - BIOL2305 - Microbiology for Health Sciences (4)
  - CHEM1215 - General Chemistry I for STEM Majors (3)
  - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
  - CHEM1225 - General Chemistry II for STEM Majors (3)
  - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)
  - CHEM2120 - Integrated Organic Chemistry and Biochemistry (4)
  - PHYS1230 - Algebra-Based Physics I (3)
  - PHYS1230L - Algebra-Based Physics I Laboratory (1)
  - PHYS1240 - Algebra-Based Physics II (3)
  - PHYS1240L - Algebra-Based Physics II Laboratory (1)
  - MATH1220 - College Algebra (3)
  - MATH1230 - Trigonometry (3)
  - MATH1430 - Applications of Calculus I (3)
  - MATH1512 - Calculus I (4)
  - MATH1350 - Introduction to Statistics (3)
  - MATH1440 - Applications of Calculus II (3)
  - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
  - BUSA1110 - Introduction to Business (3)
  - ENGL2210 - Professional and Technical Communication (3)
  - ENGL2120 - Intermediate Composition (3)
  - COMM1130 - Public Speaking (3)
  - COMM2120 - Interpersonal Communication (3)
  - NUTR2110 - Human Nutrition (3)
  - NUTR1110 - Nutrition for Health (3)
  - MATH1240 - Pre-Calculus (3)
Core Course Requirements
23 Total Credits

- Complete all of the following

Additional Mathematics and Statistics Requirements
- Complete all of the following
  - * Students should choose the appropriate additional science and/or mathematics courses based on the requirements of your degree of choice
  - Complete at least 1 of the following:
    - MATH1350 - Introduction to Statistics (3)
    - MATH1220 - College Algebra (3)
    - MATH1230 - Trigonometry (3)
    - MATH1440 - Applications of Calculus II (3)
    - MATH1430 - Applications of Calculus I (3)
  - Note: MATH 1350 is a requirement for almost all health science programs (nursing, dental hygiene, medical laboratory science, physician’s assistant, physical therapy, occupational therapy.) MATH 1220 is specifically suggested for some programs (medical laboratory science, radiologic sciences). Other 100-level core curriculum math courses may also work. Students should contact a 4-year institution of their choice to check the specific mathematics requirements for the degree program of interest. MATH 1430 is a requirement for UNM’s degree in Pharmacy.

Additional Social and Behavioral Sciences Requirements
- Complete all of the following
  - Select one additional course in this area, not applied to general education requirements. For some health science programs any choices are accepted. Other degree programs may require one or more of the following:
  - Complete at least 1 of the following:
    - PSYC1110 - Introduction to Psychology (3)
    - SOCI1110 - Introduction to Sociology (3)
    - ECON2120 - Microeconomic Principles (3)
    - PSYC2120 - Developmental Psychology (3)

Additional Humanities Requirements
- Earn at least 3 credits from the following types of courses:
  - Choose one (1) additional course from the UNM General Education Program in Area 5: Humanities.

Additional Physical and Natural Sciences Requirements
- Complete all of the following
  - * Students must select 14 additional credit hours from UNM's General Education Program in Area 3: Physical and Natural Sciences not previously applied toward the degree program. Students should choose the appropriate additional courses based on the requirements of your degree of choice.
  - Earn at least 14 credits from the following:
    - BIOL2210 - Human Anatomy and Physiology I (3)
    - BIOL1140 - Biology for Health Sciences (3)
    - BIOL1140L - Biology for Health Sciences Lab (1)
    - BIOL2110C - Principles of Biology: Cellular and Molecular Lecture and Laboratory (4)
    - BIOL2210L - Human Anatomy and Physiology I Laboratory (1)
    - BIOL2225L - Human Anatomy and Physiology II Laboratory (1)
    - BIOL2305 - Microbiology for Health Sciences (4)
    - CHEM1120C - Introduction to Chemistry Lecture and Laboratory for Non-Majors (4)
    - CHEM1215 - General Chemistry I for STEM Majors (3)
    - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
    - CHEM2120 - Integrated Organic Chemistry and Biochemistry (4)
    - PHYS1230 - Algebra-Based Physics I (3)
    - PHYS1230L - Algebra-Based Physics I Laboratory (1)
    - PHYS1240 - Algebra-Based Physics II (3)
    - PHYS1240L - Algebra-Based Physics II Laboratory (1)
    - BIOL2225 - Human Anatomy and Physiology II (3)
    - CHEM1225 - General Chemistry II for STEM Majors (3)
    - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)
Associate of Science in Science

Degree/certificate name
Associate of Science in Science

Program Level
Undergraduate

Program Description
There is no thrill quite like figuring out something which nobody has ever figured out before. There is also no thrill quite like using that discovery to help society - whether it’s curing a disease, finding a new source of clean energy, or making peoples’ homes resistant to natural disasters. This is what people with careers in science do.

Completion of this degree will enable students to transfer to a four-year institution for additional studies leading to a bachelor’s degree in biology, chemistry, physics, or environmental science.

Requirements

General Education Requirements
31 Total Credits

- Complete all of the following
  Area 1: Communication
  - Earn at least 6 credits from the following types of courses:
    Choose two (2) courses from the UNM General Education Program in Area 1: Communication.
  Area 2: Mathematics and Statistics
  - Earn at least 3 credits from the following types of courses:
    Choose one (1) course from the UNM General Education Program in Area 2: Mathematics and Statistics.
    Area 3: Physical and Natural Sciences
  - Earn at least 3 credits from the following types of courses:
    Choose one (1) course from the UNM General Education Program in Area 3: Physical and Natural Sciences with the associated lab.
  Area 4: Social and Behavioral Sciences
  - Earn at least 3 credits from the following types of courses:
    Choose one (1) course from the UNM General Education Program in Area 4: Social and Behavioral Sciences.
  Area 5: Humanities
  - Earn at least 3 credits from the following types of courses:
    Choose one (1) course from the UNM General Education Program in Area 5: Humanities.
  Area 6: Second Language
  - Earn at least 3 credits from the following types of courses:
    Choose one (1) course from the UNM General Education Program in Area 6: Second Language including any lower division non-English language offering of the Department of Linguistics.
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(Including Sign Language), Spanish and Portuguese, Foreign Languages and Literatures, and foreign languages in other departments and programs.

Area 7: Arts and Design
- Earn at least 3 credits from the following types of courses:
  Choose one (1) course from the UNM General Education Program in Area 7: Arts and Design.

Area 8: Student Choice
- Earn at least 6 credits from the following types of courses:
  Choose two (2) courses from the UNM General Education Program from two different Areas (1-7).
  Students who do not place into English 1120 will apply the credit hours from the pre-requisite English 1110 (or the equivalent English 1110Y or English 1110Z) to help fulfill Area 8 requirements.

Core Course Requirements
25 - 33 Total Credits
- Complete all of the following
  Additional Mathematics Requirements
    - Completed between 8 and 12 credits from the following types of courses:
      Students must complete an additional 8-12 credit hours in UNM's General Education Program Area 2: Mathematics and Statistics, not already taken as General Education core requirement. Students should check the specific B.S. or B.A. degree of interest, as well as the prerequisites of the science courses chosen from the list below, to determine the best additional mathematics courses. Most science degrees require two semesters of 100-level calculus. MATH 2531 is required for a B.S. in chemistry or physics, or a B.A. in physics and astrophysics. MATH 1350 (or BCIS 1110) can substitute for second-semester calculus for a B.A. in biology.
  Additional Sciences Requirements
    - Completed between 17 and 21 credits from the following types of courses:
      Students must complete an additional 17-21 credit hours in UNM's General Education Program Area 3: Physical and Natural Sciences not already taken as General Education core requirement. Students should check the specific B.S. or B.A. degree of interest to determine the best additional science courses. All UNM B.A. and B.S. degrees in biology, biochemistry, chemistry, and physics require PHYS course of some kind. Labs may or may not be required. PHYS 1231, 1241, 1311, 1321, and 2311 are optional, but strongly recommended practice problem-solving sections associated with PHYS 1230, 1240, 1310, 1320, and 2310 respectively. The four BIOL courses listed (including associated labs) are needed for B.A. or B.S. degrees in biology as well as the B.S. in physics with a biophysics concentration (and the first two are needed for a B.S. in biochemistry). The remaining courses are options in a few science degree programs. To prepare for a bachelor's degree in GEOL, EPS or ENVS, see the A.S. in Environmental Science Program requirements.
    - Note: The minimum total of credits for this degree is 60. Students must earn an additional 29 credits total between Mathematics and Physical & Natural Sciences Technical Core categories. Students who take earn fewer than 12 credits in the Mathematics category should make up the difference with additional Physical & Natural Sciences credits, bringing their total credits earned to at least 60.

Grand Total Credits: 56 - 64

Degree Credit Hours
60

Are students required to complete a concentration?
No

Are students required to complete an emphasis?
N/A

Certificate Emergency Medical Technician-Basic

Degree/certificate name
Certificate Emergency Medical Technician-Basic
Program Level
Undergraduate

Program Description
Short-Term Emergency Medical Technician Basic Certificate Program Description

This program is designed in a short-term format featuring hands-on, skills-based learning techniques in the UNM - Los Alamos Health Sciences Lab followed by clinical skills training in various healthcare settings specific to each course. A UNM Certificate is awarded upon successful completion of this program.

Short-Term Certificate Career and Educational Advancement Opportunities

Students may enroll in any of the allied health programs offered at UNM - Los Alamos as they build on basic skills required for the provision of care at various levels in the healthcare field. For example, EMTs are in demand by agencies providing emergency services including ambulance services and fire departments. The basic skills learned in the EMT-Basic program are enhanced in the EMT-Intermediate classes and clinical settings and prepare students to sit for the New Mexico and National Registry exam and for emergency services agencies. Prospective paramedic students may be advised to take the EMT-Basic and EMT-Intermediate programs prior to enrolling in the bachelor’s paramedic program. Students who intend to transfer to a four-year college or university may enroll in the associate of science in Emergency Medical Services which provides the academic core required for a bachelor’s program. For more information, students should confer with an advisor.

Short-Term Certificate Program Requirements

Emergency Medical Technician Basic: 10 credit hours to include 8 credit hours of coursework and 2 credit hours of lab. Prior to entering clinical setting in the final week of class, students must be certified in American Heart Association Basic Life Support of Healthcare Providers CPR and First Aid and have taken a TB test as well as other immunizations as specified in each course description. Employers in the healthcare setting will require a fingerprint background check and drug testing prior to hiring.

Short-Term Certificate Course Prerequisites

Students must meet prerequisites by achievement of minimum placement scores on the ACCUPLACER or ACT or through completion of ENGL1110X and FYEX1110 (or placement into ENGL1110) and MATH 012 (or placement into MATH 021 or higher.)

Are students required to complete a concentration?
No

Certificate Requirements

Complete the following:
- EMS113 - EMT-Basic (8)
- EMS142 - EMT-Basic Lab (2)

Grand Total Credits: 10
Certificate Emergency Medical Technician-Intermediate

Degree/certificate name
Certificate Emergency Medical Technician-Intermediate

Program Level
Undergraduate

Program Description

Short-Term Emergency Medical Technician Intermediate Certificate Program Description
This program is designed in a short-term format featuring hands-on, skills-based learning techniques in the UNM - Los Alamos Health Sciences Lab followed by clinical skills training in various healthcare settings specific to each course. A UNM Certificate is awarded upon successful completion of this program.

Short-Term Certificate Career and Educational Advancement Opportunities
Students may enroll in any of the allied health programs offered at UNM - Los Alamos as they build on basic skills required for the provision of care at various levels in the healthcare field. For example, EMTs are in demand by agencies providing emergency services including ambulance services and fire departments. The basic skills learned in the EMT-Basic program are enhanced in the EMT-Intermediate classes and clinical settings and prepare students to sit for the New Mexico and National Registry exam and for emergency services agencies. Prospective paramedic students may be advised to take the EMT-Basic and EMT-Intermediate programs prior to enrolling in the bachelor’s paramedic program. Students who intend to transfer to a four-year college or university may enroll in the associate of science in Emergency Medical Services which provides the academic core required for a bachelor’s program. For more information, students should confer with an advisor.

Short-Term Certificate Program Requirements
Emergency Medical Technician Basic: 10 credit hours to include 8 credit hours of coursework and 2 credit hours of lab. Prior to entering clinical setting in the final week of class, students must be certified in American Heart Association Basic Life Support of Healthcare Providers CPR and First Aid and have taken a TB test as well as other immunizations as specified in each course description. Employers in the healthcare setting will require a fingerprint background check and drug testing prior to hiring.

Short-Term Certificate Course Prerequisites
Students must meet prerequisites by achievement of minimum placement scores on the ACCUPLACER or ACT or through completion of ENGL1110X and FYEX1110 (or placement into ENGL1110) and MATH 012 (or placement into MATH 021 or higher.)

Are students required to complete a concentration?
No

Certificate Requirements

- Complete the following:
  - EMS180 - EMT-Intermediate (5)
  - EMS143 - EMT-Intermediate Lab (1)
  - EMS151 - EMT-I Clinical and Field Experience (2)

Grand Total Credits: 8
Certificate in Accounting

Degree/certificate name
Certificate in Accounting

Program Level
Undergraduate

Program Description
This certificate provides a beginning course of studies related to the field of Accounting. It may be used as a terminal certificate with subsequent entrance into the work force, or it may form the basis for additional coursework leading to an associate's degree in Business or Accounting.

Are students required to complete a concentration?
No
Certificate Requirements

- Complete all of the following
  - Complete at least 1 of the following:
    - ENGL1110 - Composition I (3)
    - ENGL1110Y - Composition I: Stretch II (3)
  - Complete at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - MATH1350 - Introduction to Statistics (3)
  - Complete the following:
    - BSTC202 - Microcomputer Accounting (3)
    - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
    - ACCT2110 - Principles of Accounting I (3)
    - ACCT2120 - Principles of Accounting II (3)
    - BUSA1110 - Introduction to Business (3)
- Earn at least 2 credits from the following:
  - ACCT1125 - Supplemental Instruction to Financial Accounting (1)
- Note: Students must take ACCT1125 twice, as Supplemental Instruction to accompany both ACCT2110 and ACCT2120.
- Earn at least 7 credits from the following:
  - BSTC113 - Introduction to Project Management (1)
  - BSTC114 - Customer Service And Relations (1)
  - BSTC115 - Time Management (1)
  - BSTC116 - Stress Management For The Workplace (1)
  - BSTC117 - Organization Skills For The Workplace (1)
  - BSTC118 - Conflict Resolution (1)
  - BSTC193 - Topics (1 - 3)
  - BSTC292 - Topics (1 - 3)
  - BSTC203 - Business Communication (3)
  - BSTC204 - Human Relations in Business (3)
  - BSTC212 - Introduction To Income Tax (3)
  - CT202 - Applications of Spreadsheets (3)
  - MGMT158 - Ethics in Organizations (3)
  - ECON2110 - Macroeconomic Principles (3)
  - ECON2120 - Microeconomic Principles (3)
  - CT165 - Introduction to Web Authoring (3)
  - BSTC299 - Cooperative Work Experience (1 - 3)

Grand Total Credits: 30

Certificate in Art Studio

Degree/certificate name
Certificate in Art Studio

Program Level
Undergraduate

Program Description

The Art Studio Certificate program enables students to gain foundational skills needed to pursue employment; the certificate can also serve as the groundwork for further education within the field of Art Studio, Art Education, or Art History. Students are required to take both academic and art studio classes to fulfill the certificate requirements. Like the Associate of Arts in Art Studio, courses and course sequences are designed to encourage the student’s power of observation and aesthetic awareness. Simultaneously students are taught technique and craft to use these powers creatively.
Are students required to complete a concentration?

No

Certificate Requirements

General Education Requirements
6 Total Credits

- Complete all of the following
  - Area 1: Communication
    - Earn at least 3 credits from the following types of courses:
      - UNM General Education Curriculum courses in this area. (Recommended ENGL 1120 is recommended)
    - Humanities
      - Earn at least 3 credits from the following:
        - HIST1150 - Western Civilization I (3)
        - HIST1160 - Western Civilization II (3)

Technical Core Requirements
21 Total Credits

- Complete all of the following
  - Art History
    - Complete 1 of the following
      - Earn at least 3 credits from the following:
        - ARTH2110 - History of Art I (3)
        - ARTH2120 - History of Art II (3)
      - Earn at least 3 credits from the following:
        - ARTH2120 - History of Art II (3)
        - ARTH2130 - Modern Art (3)

Art Studio Core
- Complete the following:
  - ARTS1220 - Art Practices I (3)
  - ARTS1230 - Art Practices II (3)
  - ARTS1610 - Drawing I (3)

Art Studio Electives
- Earn at least 9 credits from the following:
  - ARTS1143 - Introduction to Arts and Ecology (3)
  - ARTS1310 - Introduction to Ceramics (3)
  - ARTS1320 - Ceramics I (3)
  - ARTS1630 - Painting I (3)
  - ARTS1840 - Sculpture I (3)
  - ARTS1996 - Topics (1 - 6)
  - ARTS2610 - Drawing II (3)
  - ARTS2630 - Painting II (3)
  - ARTS2996 - Topics (1 - 6)

Grand Total Credits: 27
Certificate in Business

Degree/certificate name
Certificate in Business

Program Level
Undergraduate

Program Description
This certificate represents a foundational course of studies within the field of Business, with the ability to choose a concentration in either Management or Marketing. The certificate may be used as a terminal qualification to support subsequent entrance into the work force, or it may form the basis for additional coursework leading to an associate’s degree.

Students select a Certificate with a concentration in either Management or Marketing.

Are students required to complete a concentration?
Yes

Certificate Requirements

- Complete all of the following
  - Complete at least 1 of the following:
    - ENGL1110 - Composition I (3)
    - ENGL1110Y - Composition I: Stretch II (3)
  - Complete at least 1 of the following:
    - MATH1220 - College Algebra (3)
    - MATH1350 - Introduction to Statistics (3)

Grand Total Credits: 6

Certificate in Business - Management

Concentration Title
Certificate in Business - Management
Concentration Requirements

- Complete all of the following
  - Complete the following:
    - BSTC203 - Business Communication (3)
    - ECON2120 - Microeconomic Principles (3)
    - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
    - ACCT2110 - Principles of Accounting I (3)
    - ACCT2120 - Principles of Accounting II (3)
    - BUSA1110 - Introduction to Business (3)
  - Earn at least 2 credits from the following:
    - ACCT1125 - Supplemental Instruction to Financial Accounting (1)
  - Note: Students must take ACCT1125 twice, as Supplemental Instruction to accompany both ACCT2110 and ACCT2120.
  - Earn at least 4 credits from the following:
    - BSTC113 - Introduction to Project Management (1)
    - BSTC114 - Customer Service And Relations (1)
    - BSTC113 - Introduction to Project Management (1)
    - BSTC116 - Stress Management For The Workplace (1)
    - BSTC117 - Organization Skills For The Workplace (1)
    - BSTC118 - Conflict Resolution (1)
    - BSTC193 - Topics (1 - 3)
    - BSTC293 - Topics (1 - 4)
    - Course Not Found
    - ECON2110 - Macroeconomic Principles (3)
    - MGMT158 - Ethics in Organizations (3)
    - ECON2120 - Microeconomic Principles (3)
    - PHIL2140 - Professional Ethics (3)
    - COMM1150 - Introduction to Mass Communication (3)
    - BSTC299 - Cooperative Work Experience (1 - 3)

Grand Total Credits: 24

Concentration Description

About the Management Concentration Building on the common core requirements of this degree, students in the management concentration will take courses in management, human relations, business law, and management accounting.
Certificate in Business - Marketing

Concentration Title
Certificate in Business - Marketing

Concentration Requirements
- Complete all of the following
  - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
  - ECON2120 - Microeconomic Principles (3)
  - ACCT2110 - Principles of Accounting I (3)
  - ACCT1125 - Supplemental Instruction to Financial Accounting (1)
  - MKTG2110 - Principles of Marketing (3)
  - DMA166 - Digital Media Arts II: Illustrator (3)
  - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
- Earn at least 5 credits from the following:
  - BSTC113 - Introduction to Project Management (1)
  - BSTC114 - Customer Service And Relations (1)
  - BSTC115 - Time Management (1)
  - BSTC116 - Stress Management For The Workplace (1)
  - BSTC111 - Introduction to E-Commerce (3)
  - BSTC193 - Topics (1 - 3)
  - BSTC293 - Topics (1 - 4)
  - ELCT105L - Industrial Shop Practice (3)
  - ACCT2120 - Principles of Accounting II (3)
  - ECON2110 - Macroeconomic Principles (3)
  - PHIL2140 - Professional Ethics (3)
  - CT165 - Introduction to Web Authoring (3)
  - CT202 - Applications of Spreadsheets (3)
  - BSTC299 - Cooperative Work Experience (1 - 3)
  - COMM1150 - Introduction to Mass Communication (3)
  - DMA166 - Digital Media Arts II: Illustrator (3)

Grand Total Credits: **24**

Concentration Description
About the Marketing Concentration Building on the common core requirements of this degree, students in the marketing concentration will take courses in marketing and digital media arts, as well as management and business organizational methods.
Certificate in Electro-Mechanical Technology

**Degree/certificate name**
Certificate in Electro-Mechanical Technology

**Program Level**
Undergraduate

**Program Description**
This certificate represents completion of a course of studies related to the field of Electro-Mechanical Technology. It may be used as a terminal certificate with subsequent entrance into the work force, or it may form the basis for additional course work leading to an associate degree in this or another field.

**Are students required to complete a concentration?**
No

**Certificate Requirements**

**General Education Requirements**
6 Total Credits
- Complete all of the following
  - Area 1: Communication
  - Students must meet prerequisites by achievement of minimum placement scores on the ACCUPLACER or ACT or through completion of course work. Course: ENG 100 and UNIV 101 or equivalent—or place into ENGL 110 (Credit hours 4 and 3). Course: MATH 012—or place into MATH 022 or higher (Credit Hours: 4).
  - Area 2: Mathematics and Statistics
  - Complete the following:
    - MATH1220 - College Algebra (3)
    - MATH1230 - Trigonometry (3)

**Optional Electives**
0 Total Credits
- Note: Students can complete these technical electives as optional- not required toward the 32-hour requirement: MCHT 101L: Basic Welding (4), ELCT 163: Advanced Robotics (3), PHYS 1115: Survey of Physics (3), and PHYS 1115L: Survey of Physics Laboratory (1).

**Core Course Requirements**
26 Total Credits
- Complete the following:
  - CT111 - Introduction To Computer Aided Design And Drafting (3)
  - DRFT103 - Introduction to Drafting (3)
  - ELCT101L - DC Circuit Analysis (4)
  - ELCT102L - AC Circuit Analysis (4)
  - ELCT137 - Digital Electronics I (combinational Logic) (3)
  - ELCT105L - Industrial Shop Practice (3)
  - ELCT103 - Mechanical Systems (3)
  - ELCT162 - Robotics (3)

Grand Total Credits: 32

Certificate in Nuclear Enterprise Science and Technology
Certificate in Nuclear Enterprise Science and Technology

Undergraduate

The UNM-Los Alamos Nuclear Enterprise Science and Technology (NEST) program is an intensive thirty-two-week certificate program training technicians and technologists in fissionable material handling and glove box operation. As designed, this is a 30-credit hour program that allows students to obtain an academic credential to enter the workforce after one year of coursework and on-the-job training (OJT). The program was designed in partnership with Los Alamos National Laboratory. Program curriculum is based upon various Department of Energy (DOE) documents that address glovebox use and the handling of fissionable materials.

Certificate Career and Educational Advancement Opportunities

This certificate program is designed to provide students with the skills and experience to qualify for entry-level positions in nuclear facilities as Fissionable Material Handlers and/or Glovebox Operators. This certificate will also allow students wishing to pursue further education to ladder their credentials with additional coursework to acquire an Associate of Applied Science degree in an advanced program. The goal of the program is to provide for a technically qualified workforce who can execute a variety of programmatic work in modern nuclear materials handling and processing facilities.

Certificate Program Requirements

This is a technician or technologist certificate, focusing upon skills needed to work within a nuclear materials handling and processing facility as a Fissionable Materials Handler and/or a Glovebox Operator with the ability to work with radioactive materials, particularly plutonium, in support of manufacturing missions in the national security interest. The courses can be completed over the course of two full-time semesters for a combined 30 credit hours.

The program requires: a minimum of 30-credit hours (20-credit hours of coursework and 10-credit hours of Laboratory on-the-job training courses with nuclear facility experience). The laboratory experience includes approximately 256 hours (16 hrs/week for 16 weeks) of on-the-job training with local fissionable material operators and LANL nuclear material subject matter experts. The program content is based upon various Department of Energy (DOE) documents that address glovebox use and the handling of fissionable materials. Students must earn a cumulative grade point average of 2.5.

Certificate Course Prerequisites

Satisfactory score on placement tests for writing, reading, and mathematics or completion of ENGL 1110X and MATH 012 with a grade of CR.

Are students required to complete a concentration?

No
Certificate Requirements

- Complete all of the following
  
  Core Course Requirements
  - Complete the following:
    - NFFW1110 - Nuclear Facility Fundamentals (5)
    - NFFW1120 - Fissionable Material Handler (5)
    - NFFW1120L - Nuclear Facility Laboratory (5)
  
  Actinide Science Fundamentals
  - Complete the following:
    - ASFD1110 - Introduction to Actinide Science (5)
    - ASFD1120 - Nuclear Materials Process Techniques (5)
    - ASFD1120L - Nuclear Materials Process Laboratory (5)

Grand Total Credits: **30**

Certificate in Radiation Control Technology

Degree/certificate name
Certificate in Radiation Control Technology

Program Level
Undergraduate

Program Description
The Certificate in Radiation Control Technology is designed for students who would like to obtain a credential in Radiation Control Technology and are seeking qualification for entry level work in Radiation Control Technology or plan to continue on to obtain a higher credential in radiation control. The program prepares students to monitor environmental radioactivity levels, respond in emergencies, and to perform decontamination procedures. This is an apprenticeship program. Enrollment into the program is dependent upon acceptance into an approved RCT apprenticeship program with local employers.

This is a technician certificate, focusing upon skills needed to enter the workforce in the Radiation Control field. The program requires: a minimum of 10-credit hours (9-credit hours of coursework and a 1-credit hour lab with field experience). The field experience includes approximately 100 hours of on-the-job training with local radiation control technicians and experts. Program content is based upon Department of Energy Radiological Control Technician Training Handbook. Students completing the program are prepared to take the DOE certification exam and will be prepared to work as radiation control technicians at national facilities. Students should earn a cumulative grade point average of 2.5. Minimum grade of C (not C-) in each Technical Core course.

Are students required to complete a concentration?
No

Certificate Requirements
- Complete the following:
  - RCTB1110 - Radiation Control Technology Boot Camp (9)
  - RCTB1110L - Radiation Control Technology Boot Camp Laboratory (1)

Grand Total Credits: **10**
Certificate in Welding Technology

**Degree/certificate name**
Certificate in Welding Technology

**Program Level**
Undergraduate

**Program Description**
This certificate program is designed to introduce students to basic skills in reading blueprints, beginning and advanced Arc Welding, Oxy-Fuel, pipe, and MIG & TIG welding. This certificate is designed for students seeking qualification for entry level work in the welding trades—i.e., an apprenticeship in the Pipefitter’s or Ironworker’s Union.

**Are students required to complete a concentration?**
No

**Certificate Requirements**

- Complete all of the following
  - Complete the following:
    - COMM2120 - Interpersonal Communication (3)
    - WLDT101 - Welding Blueprint Reading, Theory, and Safety (4)
    - WLDT104 - NCCER Core (4)
    - WLDT105 - Arc Welding I (4)
    - WLDT107 - Advanced Arc Welding (4)
    - WLDT108 - Oxyfuel Welding I (4)
    - WLDT112 - Gas Metal Arc Welding I (3)
    - WLDT120 - General Welding Applications (3)
    - WLDT141 - Gas Tungsten Arc Welding I (4)
  - Earn at least 3 credits from the following:
    - IT101 - Computer Fundamentals (1 - 3)
    - DRFT115 - Auto Cad Level I (3)

Grand Total Credits: **36**

Certificate Nuclear Waste Operator

**Degree/certificate name**
Certificate Nuclear Waste Operator

**Program Level**
Undergraduate
Program Description

Nuclear Waste Operator Certificate Program Description

The UNM-Los Alamos Boot Camp certificate program is an intensive twelve-week boot camp non-registered apprenticeship/qualification program training Nuclear Waste Operators. As designed, this is a 10-credit hour certificate program that allows students to obtain an academic credential to enter the workforce after completion of coursework and on-the-job training. The program was designed in partnership with local agencies to fulfill a local workforce need. Program curriculum is designed to meet the training and qualification requirements for positions at nuclear facilities in accordance with DOE Hazard Category 2 Nuclear Facilities Order 426.2.

Graduates are prepared to take a comprehensive exam for qualified operators. This credential represents successful completion of a course of studies related to the field of Nuclear Waste Operations. It may be used as a terminal credential with subsequent entrance into the work force, or it may form the basis for additional course work leading to an Associate of Applied Science degree in Nuclear Enterprise Science and Technology that is currently being developed, or in other fields.

Certificate Career and Educational Advancement Opportunities

The Certificate in Nuclear Waste Operators is designed for students who are seeking to obtain the skills necessary to qualify as entry-level Nuclear Waste Operators or plan to continue on to obtain a higher degree in nuclear waste operations. This apprenticeship program also prepares participants to work in disposing of hazardous materials. Enrollment into the program is dependent upon acceptance into an approved Nuclear Waste Operators apprenticeship program with local employers.

Certificate Program Requirements

A minimum of 10 credit hours (nine credit hours of coursework and one credit hour lab with field experience) with a minimum grade point average of 2.7. Students must earn a minimum grade of B- (not C) in each Technical Core course. The field experience includes approximately 100 hours of on-the-job training with local nuclear waste operators and experts.

Are students required to complete a concentration?

No

Certificate Requirements

- Complete the following:
  - NWOB1110 - Nuclear Waste Operator Boot Camp (9)
  - NWOB1110L - Nuclear Waste Operator Boot Camp Laboratory (1)

Grand Total Credits: 10
Certified Nursing Assistant

**Degree/certificate name**
Certified Nursing Assistant

**Program Level**
Undergraduate

**Program Description**

**Short-Term Nursing Assistant Certificate Program Description**

This program is designed in a short-term format featuring hands-on, skills-based learning techniques in the UNM - Los Alamos Health Sciences Lab followed by clinical skills training in various healthcare settings specific to each course. A UNM Certificate is awarded upon successful completion of this program.

**Short-Term Certificate Career and Educational Advancement Opportunities**

Students may enroll in any of the allied health programs offered at UNM - Los Alamos as they build on basic skills required for the provision of care at various levels in the healthcare field. For example, PCA’s are in demand in assisted living facilities and home healthcare. The basic skills learned in the PCA program are enhanced in the CNA classes and clinical settings and prepare students to sit for the certification exam and for work in healthcare facilities under the supervision of a Registered Nurse (RN). Prospective nursing students may be advised to take the CNA program prior to enrolling in area schools of nursing. Students who intend to transfer to a four-year college or university may enroll in the associate of science in Pre-Professional Health Sciences which provides the academic core required for many careers in healthcare. For more information, students should confer with an advisor.

**Short-Term Certificate Program Requirements**

Nursing Assistant: 8 credit hours to include 96 clock hours lecture/skills lab and 32 clock ours clinical. Prior to entering clinical setting in the final week of class, students must be certified in American Heart Association Basic Life Support of Healthcare Providers CPR and First Aid and have taken a TB test as well as other immunizations as specified in each course description. Employers in the healthcare setting will require a fingerprint background check and drug testing prior to hiring.

**Are students required to complete a concentration?**
No

**Certificate Requirements**

- Complete the following:
  - CNA101 - Nursing Assistant  (8)

Grand Total Credits: **8**