

Table Of Contents

| | |
|---|----|
| Table Of Contents | 2 |
| Admissions | 8 |
| General | 8 |
| When to Apply | 8 |
| Use of Social Security Numbers | 8 |
| Admissions – Beginning Freshman (no previous college) | 8 |
| How to Apply | 8 |
| Admissions – Transfer Students | 9 |
| How to Apply | 9 |
| Previous Suspension | 9 |
| Transfer of Credits | 9 |
| Transfer among New Mexico Higher Education Institutions | 10 |
| Student Responsibility | 10 |
| Transferable Lower-Division General Education | 10 |
| Inter-Institutional Transfer Guides and Catalogs | 10 |
| Complaint Procedure for Transfer Students | 10 |
| Evaluation of Credit | 11 |
| Admissions – Returning Students | 11 |
| How to Apply | 11 |
| Admissions – Dual Credit (high school students) | 11 |
| Admissions – Concurrent Enrollment (high school students) | 12 |
| Admissions – Non-degree Students | 12 |
| Non-Degree Admission Requirements | 12 |
| Facts about Non-degree Status | 12 |
| Academic Standards | 13 |
| Admissions – International Students | 13 |
| International Non-degree Admission | 13 |
| International Undergraduate (Degree-Seeking) Admission Requirements | 13 |
| Alternative Credit Programs | 13 |
| Technical Credit | 13 |
| Training Credit | 13 |
| Military Credit | 14 |
| Information & Resources | 14 |
| Academic Support | 14 |
| The Academic Support Center | 14 |
| Bookstore | 14 |
| Learning Resource Center | 14 |
| Academics | 14 |
| Academic Regulations | 14 |
| Change of College | 15 |
| Class Hours and Credit Hours | 15 |
| Course Load Guidelines | 15 |
| Undergraduates/Non-Degree | 15 |
| Summer Session | 15 |
| Course Numbering System | 15 |
| General Education Curriculum | 15 |
| U.S. Global Diversity and Inclusion Requirement | 16 |
| Grades | 16 |
| Grade Point Average | 17 |
| Grade Options | 18 |
| Audit | 18 |
| Extension of Incomplete | 19 |
| Repetition of a Course | 19 |
| Grade Replacement Policy | 19 |
| Change of Grade | 20 |
| Grade Petition Procedure | 20 |
| Academic Renewal Policy | 21 |
| Academic Renewal Guidelines | 21 |

| | |
|---|----|
| Classroom Conduct | 22 |
| Dishonesty in Academic Matters | 22 |
| Misrepresentation | 22 |
| Attendance | 23 |
| Absences | 23 |
| Dismissal | 23 |
| Probation | 23 |
| Degree-Granting Programs and Non-degree Status | 23 |
| Suspension | 23 |
| Degree-Granting Programs and Non-Degree Status | 23 |
| Suspension Period | 23 |
| Campus Information | 24 |
| Accreditation | 24 |
| Student Outcomes Assessment | 24 |
| History of UNM-Los Alamos | 24 |
| Location | 25 |
| Faculty | 25 |
| Operating Agreement and Funding | 25 |
| Facilities | 26 |
| General Information | 26 |
| Role and Function of UNM Branch Colleges | 26 |
| Mission, Vision, Values, and Strategic Goals | 26 |
| Mission | 26 |
| Vision | 26 |
| Values | 26 |
| Strategic Goals | 27 |
| Publications | 27 |
| Class Schedule | 27 |
| UNM-LA Website | 27 |
| UNM Pathfinder: The Student Handbook | 27 |
| Governing Bodies, Administration, Staff, and Continuing Faculty | 27 |
| University Administration | 27 |
| The Regents of The University | 27 |
| Ex-Officio Members | 27 |
| University Officers | 28 |
| UNM - Los Alamos Advisory Board | 28 |
| Chancellor | 28 |
| Business Services | 28 |
| Student Services | 28 |
| Academic Affairs | 28 |
| Academic Departments/Programs | 28 |
| Science & Applied Sciences | 28 |
| Fine Arts & Humanities | 28 |
| Social Sciences | 28 |
| English & Communication | 28 |
| Mathematics & Engineering | 29 |
| Student Information & Policies | 29 |
| Academic Advisement | 29 |
| Academic Calendar | 29 |
| General Policies | 29 |
| Applicability | 29 |
| Anti-Harassment | 29 |
| Non-Discrimination | 30 |
| Sexual Misconduct and Title IX Compliance | 30 |
| Equal Education Opportunity | 30 |
| ADA Compliance and Reasonable Accommodation | 30 |
| Reasonable Accommodation for Religious Practices | 30 |
| Pregnancy Accommodation | 30 |
| Reporting | 30 |
| UNM-Pathfinder | 31 |
| Graduation Requirements | 31 |

| | |
|---|----|
| Associate Degrees | 31 |
| Certificates | 31 |
| Second Certificate/Associate Degree | 31 |
| Extension and Independent Study | 31 |
| Cooperative Education | 32 |
| Catalog Requirements | 32 |
| Readmission and Catalog | 32 |
| Responsibility for Requirements | 32 |
| Commencement | 32 |
| Dean's List | 32 |
| New Student Orientation | 33 |
| Records | 33 |
| Use of Social Security Numbers | 33 |
| UNM Lobo ID Card | 33 |
| Change of Name | 33 |
| Change of Address or Phone Number | 34 |
| Transcripts - Official | 34 |
| Transcript Holds | 35 |
| Grade Notification | 35 |
| Enrollment Certification | 35 |
| Access to and Confidentiality of Student Records | 36 |
| Student Record Policy | 36 |
| Introduction | 36 |
| Limitations on Access to Student Records | 36 |
| Students' Right of Access to Review Their Records | 36 |
| Location of Student Records | 37 |
| Records Excluded from the Definition "Education" or "Student" Records | 37 |
| Review Policies and Procedures | 37 |
| Release Policies and Procedures, University Employees and Agents | 38 |
| Release to Alleged Victims of Crimes of Violence | 38 |
| Directory or Public Information Categories | 38 |
| Requests for Disclosure | 38 |
| Right to Challenge Information in Student Records | 39 |
| Waiver of Rights Not Required | 39 |
| Assistance with Problems or Questions about Compliance: | 39 |
| Emergency Contact Service | 39 |
| Registration Procedures | 39 |
| Enrollment Limit | 39 |
| Course Load Guidelines | 39 |
| Undergraduates/Non-degree | 40 |
| Fall/Spring Semesters | 40 |
| Summer session | 40 |
| Changes in Enrollment | 40 |
| Summer Session and Short Courses | 40 |
| For 16-week courses, the following rules apply: | 40 |
| Withdrawal from a Course | 40 |
| Change in Grading Option | 40 |
| Completion of Courses | 40 |
| Withdrawal from the University | 41 |
| Summer Session and Short Courses | 41 |
| Policy on Military Withdrawals | 41 |
| Residency | 41 |
| Summary of Regulations for New Mexico Residency for Tuition Purposes | 41 |
| Western Undergraduate Exchange | 43 |
| Requirements for WUE Enrollment | 43 |
| Financial Aid | 43 |
| Satisfactory Academic Progress | 43 |
| Grade Point Average | 44 |
| Completion Rate | 44 |
| Maximum Time Frame | 44 |
| Enrollment Requirements for Financial Aid | 44 |
| Enrollment Requirements | 44 |
| Undergraduate Students | 44 |

| | |
|--|-----------|
| Non-resident Students | 44 |
| Federal Student Loans | 44 |
| Typical Sources of Financial Aid | 45 |
| Student Employment | 45 |
| Payment by Financial Aid | 45 |
| Scholarships | 46 |
| New Clubs/Chartered Student Organizations | 46 |
| Programs | 47 |
| Associate of Applied Science in Accounting | 47 |
| Associate of Applied Science in Applied Technologies | 48 |
| Associate of Applied Science in Applied Technologies - Electro-Mechanical Technology | 51 |
| Associate of Applied Science in Business | 51 |
| Associate of Applied Science in Business - CON: Management AAS Business | 53 |
| Associate of Applied Science in Business - CON: Marketing AAS Business | 54 |
| Associate of Applied Science in Business - Management | 55 |
| Associate of Applied Science in Business - Marketing | 56 |
| Associate of Applied Science in Fire Science | 56 |
| Associate of Applied Science in General Studies | 58 |
| Associate of Applied Science in Nuclear Enterprise Science and Technology | 59 |
| Associate of Arts in Art Studio | 62 |
| Associate of Arts in Liberal Arts | 64 |
| Associate of Arts in Pre-Business Administration | 65 |
| Associate of Science in Computer Science | 67 |
| Associate of Science in Emergency Medical Services | 69 |
| Associate of Science in Environmental Science | 70 |
| Associate of Science in Pre-Engineering | 72 |
| Associate of Science in Pre-Professional Health Sciences | 74 |
| Associate of Science in Science | 76 |
| Certificate Emergency Medical Technician-Basic | 78 |
| Certificate Emergency Medical Technician-Intermediate | 80 |
| Certificate in Accounting | 80 |
| Certificate in Art Studio | 82 |
| Certificate in Business | 84 |
| Certificate in Business - Management Concentration | 85 |
| Certificate in Business - Marketing | 86 |
| Certificate in Early Childhood Education | 87 |
| Certificate in Electro-Mechanical Technology | 87 |
| Certificate in Nuclear Enterprise Science and Technology | 88 |
| Certificate in Radiation Control Technology | 90 |
| Certificate in Welding Technology | 91 |
| Certificate Nuclear Waste Operator | 91 |
| Certified Nursing Assistant | 93 |
| Courses | 94 |
| Accounting | 94 |
| Actinide Science Fundamentals | 98 |
| Africana Studies | 101 |
| American Studies | 102 |
| Anthropology | 108 |
| Art History | 112 |
| Art Studio | 116 |
| Astronomy | 129 |
| Biology | 131 |
| Business Administration | 142 |
| Business Computer & Information Systems | 144 |
| Business Technology | 144 |
| Certified Nurse Assistant | 154 |
| Chemistry | 155 |
| Chinese | 162 |
| Civil Engineering | 163 |
| Classics | 165 |

| | |
|---------------------------------------|-----|
| Communication | 168 |
| Comparative Literature | 174 |
| Computer Science | 176 |
| Computer Technology | 185 |
| Criminal Justice | 192 |
| Dance | 194 |
| Digital Media Arts | 194 |
| Drafting Technology | 196 |
| Early Childhood Education | 198 |
| Economics | 208 |
| Education | 211 |
| Electrical and Computer Engineering | 216 |
| Electronics Technology | 220 |
| Emergency Medicine | 230 |
| Engineering | 239 |
| English | 244 |
| Environmental Science | 265 |
| Film & Digital Media Arts | 267 |
| Fine Art | 270 |
| Fire Science | 272 |
| First Year Experience | 280 |
| French | 282 |
| General Studies | 284 |
| Geography & Environmental Studies | 288 |
| Geology | 292 |
| German | 297 |
| Greek | 299 |
| History | 301 |
| Honors | 310 |
| Information Technology | 311 |
| Japanese | 325 |
| Latin | 327 |
| Linguistics | 331 |
| Management | 332 |
| Manufacturing Technology | 334 |
| Marketing | 334 |
| Mathematics | 335 |
| Mechanical Engineering | 353 |
| Mechanical Technology | 356 |
| Music | 359 |
| Native American Studies | 364 |
| Natural Science | 364 |
| Nuclear Facilities Fundamentals | 367 |
| Nuclear Waste Operator | 370 |
| Nutrition | 372 |
| Personal Care Attendant | 374 |
| Philosophy | 375 |
| Physical Education (Non-Professional) | 382 |
| Physics | 386 |
| Political Science | 403 |
| Psychology | 407 |
| Public Safety | 417 |
| Radiation Control Tech Boot Camp | 427 |
| Religion | 428 |
| Robotics | 432 |
| Russian | 437 |
| Sociology | 438 |
| Spanish | 444 |
| Theatre | 448 |
| Welding Technology | 449 |

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

"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 22. See <https://gened.unm.edu> for course listings in each area.

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 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.

University of New Mexico Los Alamos Catalog 2024-2025

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).

University of New Mexico Los Alamos Catalog 2024-2025

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).

Information & Resources

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

University of New Mexico Los Alamos Catalog 2024-2025

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.

Students in Associate of Arts and Associate of Science degree programs will choose ten classes (31 credits), or at least one three- or four-credit course in each of eight areas of study. Transfer students who have demonstrated completion of all of the requirements for General Education at another higher education institution in New Mexico will not be required to fulfill General Education requirements at UNM, unless they opt to do so, but they must fulfill University Requirements, including completion of English 1120 with a C or better and completion of the U.S. and Global Diversity Requirement (see below). Transfer students who have not completed all of the requirements for General Education at another higher education institution in New Mexico will need to follow the University of New Mexico requirements for General Education. The University recognizes that minor substitutions or exceptions, handled on a Department and College basis, may be necessary to accommodate specific student needs.

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.

University of New Mexico Los Alamos Catalog 2024-2025

UNM-Los Alamos uses a fractionated grading system. Following are the allowable grades and associated grade points:

| | |
|----|------|
| A+ | 4.33 |
| A | 4.00 |
| A- | 3.67 |
| B+ | 3.33 |
| B | 3.00 |
| B- | 2.67 |
| C+ | 2.33 |
| C | 2.00 |
| C- | 1.67 |
| D+ | 1.33 |
| D | 1.00 |
| D- | 0.67 |
| F | 0.00 |

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. A maximum of 12 credits hours graded pass/fail (CR) will be allowed toward the associate degree and 6 credits toward a certificate.

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.

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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).

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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 abilities.

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 (NNMCC).

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.

University of New Mexico Los Alamos Catalog 2024-2025

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 cashiering, 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

University of New Mexico Los Alamos Catalog 2024-2025

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.
2. 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.
3. Staff UNM-LA sufficiently to sustain high instructional standards, enable realistic workloads in providing support services, and create an environment that encourages excellence.
4. Increase enrollment for the purpose of creating a vibrant campus community and sustainable programs and services.
5. Create and manage new revenue streams to complement state funding, stabilize support for recurring costs, and enable investments in our educational infrastructure.
6. 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

Paula Tackett
Paul Blanchard
William H. Payne
Robert L. Schwartz
Jack L. Fortner
Kim Sanchez Rael

Ex-Officio Members

University of New Mexico Los Alamos Catalog 2024-2025

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
Teresa Costantinidis, M.B.A., Senior Vice President: Finance and Administration
James P. Holloway, Ph.D., Executive Vice President: Academic Affairs and Provost
Douglas Ziedonis, M.D., M.P.H., Executive Vice President: Health Sciences and Chief Executive Officer: Health System

UNM - Los Alamos Advisory Board

Chuck McCullough, PhD (Chairperson Term: 2022-2025)

Kristin Henderson, (Secretary) Term: 2024-2028

John Pawlak (Member) Term: 2024-2028

Alissa Grissom, MS, Term: 2022-2025

David Hansen Term: 2022-2025

Chancellor

Mike Holtzclaw, PhD

Business Services

Vacant, Director of Business Operations

Student Services

Vacant, Director of Student Affairs

Academic Affairs

Paul C. Allen, PhD, Dean of Instruction & Chief Academic Officer

Irina Alvestad, PhD, Associate Dean of Instruction

Ivette Jimenez, Assistant to the Dean

Academic Departments/Programs

Science & Applied Sciences

Lorraine Bowman, PhD, Assistant Professor, Physics & Astronomy

Rick Acedo, BS, Lecturer I EMT

Cindy Budge, MS Lecturer II Biology

Fine Arts & Humanities

Peninah Wolpo, PhD, Lecturer III, Classics

Social Sciences

Sharon Hurley, PhD, Associate Professor, Business

English & Communication

University of New Mexico Los Alamos Catalog 2024-2025

Virginia Grant, PhD, Assistant Professor, English

MaryJane Giesler, MA, Lecturer II, English

Mathematics & Engineering

Irina Alvestad, PhD, Associate Professor, Math

Citlalitl Nava-Gaviola, PhD, Assistant Professor, Math

Joan Lucas, Ph.D., Lecturer III, Computer Science

Min Ro, PhD, Lecturer III Mathematics

Mohamed Abuhegazy, PhD, Lecturer III, Mechanical Engineering

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

University of New Mexico Los Alamos Catalog 2024-2025

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, and the University of New Mexico policies affecting students, commuting and parking, and other services and programs. The Pathfinder is available [online](#).

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

University of New Mexico Los Alamos Catalog 2024-2025

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. The student is responsible for complying with all regulations.

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:

University of New Mexico Los Alamos Catalog 2024-2025

- 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>. 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

University of New Mexico Los Alamos Catalog 2024-2025

student records. Students may request an unofficial transcript of their academic record in Building 1. Students may order an official copy from Parchment. Investigators must use Student Clearinghouse.

The following information is needed to process a request: 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

University of New Mexico Los Alamos Catalog 2024-2025

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 themselves except:

- Personal notes (available only to writer or substitute) of University staff and faculty.

University of New Mexico Los Alamos Catalog 2024-2025

- 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.

It is the policy of the University to provide the student upon request with photocopies of her or his records where that will help the student in inspection and review of the records unless: (1) the record to be copied is an examination, in which case permission of the faculty member is necessary, or (2) where a student's record is being withheld because of an outstanding financial obligation to the University. Fees for photocopies of materials in the records are the same as University offices charge for photocopies of other materials. At its option, an office may furnish copies at no charge, or take the materials to a copy/duplicating center on campus, where the current rate for cash work will be charged.

University of New Mexico Los Alamos Catalog 2024-2025

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 educational interest. These officials or their agents, and their interests, include:

- Any University employee who needs the information to fulfill job responsibilities.
- University collection agents only for the purposes of collecting debts owed to the University.
- Legal counsel advising or representing the University.
- National Collegiate Athletic Association and the Mountain West Athletic Conference only for the purposes of conforming to eligibility rules for athletic competition.
- Contractors, such as data processing, only for the purposes of performing work under contract for the University.
- Honorary societies, and other chartered student organizations, only for determining membership eligibility/requirements, when the societies and/or organizations do not unlawfully 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.
- University researchers, including students doing research under the supervision of a faculty member, if there are safeguards to protect the security of personally identifiable data and if it will not be possible to ascertain the identity of any student in any dissemination of the data or research results.
- Officials of cooperating universities in which the student is enrolled or has applied.

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

University of New Mexico Los Alamos Catalog 2024-2025

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

Half-time: 6–11 credit hours

Less than half-time: 5 or fewer credit hours

Summer session

Full-time: 6 or more credit hours

Half-time: 3–5 credit hours

Less than half-time: 1 or 2 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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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: If the applicant is financially dependent, a copy of the parents' or guardians' previous year income tax form showing the applicant as a dependent and the parents' address as New Mexico;
 - 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](#).

University of New Mexico Los Alamos Catalog 2024-2025

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.

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

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

**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.

University of New Mexico Los Alamos Catalog 2024-2025

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 online 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.

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

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: Physical and Natural Sciences OR Area IV: 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 III: Physical and Natural with the associated lab OR Choose one (1) course from the UNM General Education Program in Area IV: Social and Behavioral Sciences.
 - Area VA: Humanities OR Area VB: 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 VA: Humanities OR
Choose one (1) course from the UNM General Education Program in Area VB: Second Language including any lower division non-English language.
 - Area VII: Flexible: Student Choice
 - Earn at least 3 credits from the following types of courses:
One additional General Education course from Areas I-VI. 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 VII requirement.

Business Core Requirements

27 - 28 Total Credits

keyboard_arrow_up

- Complete the following:
 - ACCT2110 - Principles of Accounting I (3)
 - BSTC203 - Business Communication (3)

University of New Mexico Los Alamos Catalog 2024-2025

- BSTC218 - Business Law (3)
- BUSA1110 - Introduction to Business (3)
- CT102 - Introduction To Microcomputers On The Pc (3 - 4)
- ECON2110 - Macroeconomic Principles (3)
- ECON2120 - Microeconomic Principles (3)
- MGMT158 - Ethics in Organizations (3)
- MKTG2110 - Principles of Marketing (3)

Accounting Technical Requirements

6 Total Credits

keyboard_arrow_up

- Complete the following:
 - ACCT2120 - Principles of Accounting II (3)
 - BSTC202 - Microcomputer Accounting (3)

Elective Requirements

12 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Earn at least 12 credits from the following:
 - 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)
 - BSTC193 - Topics (1 - 3)
 - BSTC204 - Human Relations in Business (3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - BUSA1996 - Topics (1 - 6)
 - CT202 - Applications of Spreadsheets (3)
 - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
 - DMA166 - Digital Media Arts II: Illustrator (3)
 - ECON2130 - Personal Investing (3)
 - Note that various Topics courses will be offered and students may receive credit for taking multiple Topics courses.

Grand Total Credits: **60 - 61**

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

If you love to tinker, to take things apart, put them back together, and figure out how to make them run, this program is for you. New Mexico has committed to expanding its reliance on solar energy, wind energy, and expanding access to the Internet throughout the state. These programs all need technicians which can install and repair the necessary infrastructure.

Building on the basic technical core courses, students in the Applied Technologies program 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. Upon graduation, this should qualify them to get an entry-level technician job at LANL or with any energy or infrastructure company. It should also position students with the basic background to get an apprenticeship with a licensed electrician, if they wish to pursue an electrician's license themselves.

University of New Mexico Los Alamos Catalog 2024-2025

Requirements

General Education Requirements

15 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VII: Flexible: Student Choice
 - Earn at least 3 credits from the following types of courses:
One additional General Education course from Areas I-VI.

Elective Requirements

1 Total Credits

keyboard_arrow_up

- 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

keyboard_arrow_up

- 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: Physics You Need for Life 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

Are students required to complete a concentration?

Yes

Are students required to complete an emphasis?

N/A

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.

University of New Mexico Los Alamos Catalog 2024-2025

Requirements

General Education Requirements

15 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: Physical and Natural Sciences OR Area IV: 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 III: Physical and Natural with the associated lab OR Choose one (1) course from the UNM General Education Program in Area IV: Social and Behavioral Sciences.
 - Area VA: Humanities OR Area VB: 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 VA: Humanities OR
Choose one (1) course from the UNM General Education Program in Area VB: Second Language including any lower division non-English language.
 - Area VII: Flexible: Student Choice
 - Earn at least 3 credits from the following types of courses:
One additional General Education course from Areas I-VI. 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 VII requirement.

Business Core Requirements

27 - 28 Total Credits

keyboard_arrow_up

- Complete the following:
 - ACCT2110 - Principles of Accounting I (3)
 - BSTC203 - Business Communication (3)
 - BSTC218 - Business Law (3)
 - BUSA1110 - Introduction to Business (3)
 - CT102 - Introduction To Microcomputers On The Pc (3 - 4)
 - ECON2110 - Macroeconomic Principles (3)
 - ECON2120 - Microeconomic Principles (3)
 - MGMT158 - Ethics in Organizations (3)
 - MKTG2110 - Principles of Marketing (3)

Grand Total Credits: **42 - 43**

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 - CON: Management AAS Business

Concentration Title

Associate of Applied Science in Business - CON: Management AAS Business

Concentration Requirements

Management Technical Requirements

6 Total Credits

keyboard_arrow_up

- Complete the following:
 - ACCT2120 - Principles of Accounting II (3)
 - BSTC113 - Introduction to Project Management (1)
 - BSTC114 - Customer Service And Relations (1)
 - BSTC115 - Time Management (1)

Elective Requirements

12 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Earn at least 12 credits from the following:
 - BSTC111 - Introduction to E-Commerce (3)
 - BSTC116 - Stress Management For The Workplace (1)
 - BSTC117 - Organization Skills For The Workplace (1)
 - BSTC118 - Conflict Resolution (1)
 - BSTC193 - Topics (1 - 3)
 - BSTC202 - Microcomputer Accounting (3)
 - BSTC204 - Human Relations in Business (3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - BUSA1996 - Topics (1 - 6)
 - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
 - DMA166 - Digital Media Arts II: Illustrator (3)
 - ECON2130 - Personal Investing (3)
 - Note that various Topics courses will be offered and students may receive credit for taking multiple Topics courses.

Grand Total Credits: **18**

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 Business - CON: Marketing AAS Business

Concentration Title

Associate of Applied Science in Business - CON: Marketing AAS Business

Concentration Requirements

Marketing Technical Requirements

6 Total Credits

keyboard_arrow_up

- Complete the following:
 - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
 - DMA166 - Digital Media Arts II: Illustrator (3)

Elective Requirements

12 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Earn at least 12 credits from the following:
 - ACCT2120 - Principles of Accounting II (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)
 - BSTC193 - Topics (1 - 3)
 - BSTC202 - Microcomputer Accounting (3)
 - BSTC204 - Human Relations in Business (3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - BUSA1996 - Topics (1 - 6)
 - ECON2130 - Personal Investing (3)
 - Note that various Topics courses will be offered and students may receive credit for taking multiple Topics courses.

Grand Total Credits: **18**

Concentration Description

About the Marketing Concentration Building on the common core requirements of this degree, students in the marketing concentration will take courses in business and digital media arts, as well as management and business organizational methods.

Associate of Applied Science in Business - Management

Concentration Title

Associate of Applied Science in Business - Management

Concentration Requirements

- Complete all of the following
 - Complete 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 Business - Marketing

Concentration Title

Associate of Applied Science in Business - Marketing

Concentration Requirements

- Complete all of the following
 - Complete the following:
 - CT165 - Introduction to Web Authoring (3)
 - MKTG2110 - Principles of Marketing (3)
 - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
 - DMA166 - Digital Media Arts II: Illustrator (3)
 - Earn at least 13 credits from the following:
 - BSTC218 - Business Law (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)
 - BSTC193 - Topics (1 - 3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - COMM1150 - Introduction to Mass Communication (3)
 - CT202 - Applications of Spreadsheets (3)
 - FYEX1110 - First-Year Seminar (1 - 3)
 - ECON2110 - Macroeconomic Principles (3)
 - ECON2120 - Microeconomic Principles (3)
 - PHIL2140 - Professional Ethics (3)
 - Course Not Found
 - Course Not Found

Grand Total Credits: **25**

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.

Associate of Applied Science in Fire Science

Degree/certificate name

Associate of Applied Science in Fire Science

Program Level

Undergraduate

University of New Mexico Los Alamos Catalog 2024-2025

Program Description

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

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities OR Area VI: Creative and Fine Arts: 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 VA: Humanities OR choose one (1) course from the UNM General Education Program in Area VI: Arts and Design.
 - Area VII: Flexible: Student Choice
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program from two different Areas I-VI. 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 VII requirements.

Elective Requirements

3 Total Credits

keyboard_arrow_up

- 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

keyboard_arrow_up

University of New Mexico Los Alamos Catalog 2024-2025

- 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.

University of New Mexico Los Alamos Catalog 2024-2025

Requirements

General Education

15 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area I: Communication. (ENGL1120 Recommended)
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: Physical and Natural Sciences or Area IV: 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 III: Physical and Natural with the associated lab OR choose one (1) course from the UNM General Education Program in Area IV: Social and Behavioral Sciences.
 - Area VA: Humanities or Area VI: Creative and Fine Arts: 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 VA: Humanities OR choose one (1) course from the UNM General Education Program in Area VI: Arts and Design.
 - Area VII: Flexible: Student Choice
 - Earn at least 3 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program from two different Areas I-VI. 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 VII requirements.

Computer Science, Information Technology

3 Total Credits

keyboard_arrow_up

- 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

keyboard_arrow_up

- 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

University of New Mexico Los Alamos Catalog 2024-2025

Degree/certificate name

Associate of Applied Science in Nuclear Enterprise Science and Technology

Program Level

Undergraduate

Program Description

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

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities OR Area VI: Creative and Fine Arts: 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 VA: Humanities OR
choose one (1) course from the UNM General Education Program in Area VI: Arts and Design.
 - Area VII: Flexible: Student Choice
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program from two different Areas I-VI.
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 VII requirements.

Elective Requirements

University of New Mexico Los Alamos Catalog 2024-2025

7 Total Credits

keyboard_arrow_up

- 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)
 - 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: Physics You Need for Life 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

keyboard_arrow_up

- 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: Physics You Need for Life Laboratory (1)

Emphasis

20 Total Credits

keyboard_arrow_up

- 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

keyboard_arrow_up

- 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

University of New Mexico Los Alamos Catalog 2024-2025

31 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication. (Recommended ENGL 1120 and either ENGL 2120 or PHIL 1120)
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VB: 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 VB: Second Language including any lower division non-English language.
 - Area VI: Creative and Fine Arts: 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 VI: Arts and Design. (MUSC courses and FDMA courses recommended for those students who plan to transfer to a program for a BFA)
 - Area VII: Flexible: 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 I-VI. 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 VII requirements.

Technical Core Requirements

30 Total Credits

keyboard_arrow_up

- 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 Art & Ecology (3)

Electives

University of New Mexico Los Alamos Catalog 2024-2025

◦ 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.

University of New Mexico Los Alamos Catalog 2024-2025

Requirements

General Education Requirements

31 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: 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 II: Mathematics: 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 III: Science: 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 IV: 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 VA: Humanities
 - Earn at least 3 credits from the following types of courses:
UNM General Education Program in Area 5: Humanities.
 - Area VB: Second Language
 - Earn at least 3 credits from the following types of courses:
UNM General Education Program in Area 6: Second Language
 - Area VI: Creative and Fine Arts: 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 VII: Flexible: 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

keyboard_arrow_up

- 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

University of New Mexico Los Alamos Catalog 2024-2025

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

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VB: 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 VB: Second Language including any lower division non-English language.
 - Area VI: Creative and Fine Arts: 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 VI: Arts and Design.
 - Area VII: Flexible: 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 I-VI. 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 VII requirements.

Technical Requirements

24 Total Credits

keyboard_arrow_up

Pre-Business Core Requirements

- Complete all of the following
 - Complete at least 1 of the following:
 - ENGL2210 - Professional and Technical Communication (3)
 - ENGL2120 - Intermediate Composition (3)

University of New Mexico Los Alamos Catalog 2024-2025

- Complete the following:
 - ACCT2110 - Principles of Accounting I (3)
 - ACCT2120 - Principles of Accounting II (3)
 - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
 - BUSA1110 - Introduction to Business (3)
 - ECON2110 - Macroeconomic Principles (3)
 - ECON2120 - Microeconomic Principles (3)
 - MATH1350 - Introduction to Statistics (3)

Elective Requirements

5 Total Credits

keyboard_arrow_up

- Earn at least 5 credits from the following:
 - 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)
 - BSTC193 - Topics (1 - 3)
 - BSTC203 - Business Communication (3)
 - BSTC204 - Human Relations in Business (3)
 - BSTC218 - Business Law (3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - ECON2130 - Personal Investing (3)
 - MGMT158 - Ethics in Organizations (3)
 - MKTG2110 - Principles of Marketing (3)

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 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.

University of New Mexico Los Alamos Catalog 2024-2025

Requirements

General Education

31 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VB: 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 VB: Second Language including any lower division non-English language.
 - Area VI: Creative and Fine Arts: 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 VI: Arts and Design.
 - Area VII: Flexible: 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 I-VI. 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 VII requirements.

Technical Core Requirements

33 Total Credits

keyboard_arrow_up

- 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

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

Do you want to be a hero, and save other peoples' lives?

The Associate of Science in Emergency Medical Services will train you to become a member of an ambulance crew, or other medical first responder. It is a fast-paced, exciting profession which will allow you to live anywhere, because these life-saving skills are in demand everywhere.

The program meets the National EMS Education Standards for both Basic and Intermediate EMT training. It incorporates New Mexico requirements for all of the various aspects of EMT 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 BIOL2225. It is recommended that students applying to the UNM EMS Academy take BIOL2225 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

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.

University of New Mexico Los Alamos Catalog 2024-2025

Area VB: 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 VB: 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 VI: Creative and Fine Arts: 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 VI: Arts and Design.

Area VII: Flexible: 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 I-VI. 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 VII requirements.

Core Course Requirements

29 Total Credits

keyboard_arrow_up

- 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

University of New Mexico Los Alamos Catalog 2024-2025

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

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VB: 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 VB: 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 VI: Creative and Fine Arts: 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 VI: Arts and Design.
 - Area VII: Flexible: 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 I-VI. 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 VII requirements.

Core Course Requirements

21 - 37 Total Credits

keyboard_arrow_up

- 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:

University of New Mexico Los Alamos Catalog 2024-2025

- 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

University of New Mexico Los Alamos Catalog 2024-2025

Program Description

This Pre-Engineering program is designed to help students develop a strong foundation in engineering fundamentals, critical thinking, and problem-solving skills. Students will learn to apply scientific and mathematical principles to analyze, design, and optimize engineering systems. Additionally, students will gain hands-on experience through laboratory courses and projects, which will prepare them for future coursework and careers in engineering.

Upon completion of the Pre-Engineering program, students will have completed the first two years of a four-year Bachelor of Science program in various engineering disciplines, such as Mechanical, Electrical, Chemical, Aerospace, Nuclear, Civil, and Computer Engineering. The program provides an excellent pathway for students who are interested in pursuing a career in engineering and wish to complete their degree in a timely and cost-effective manner.

Requirements

General Education Requirements

31 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VB: 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 VB: 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 VI: Creative and Fine Arts: 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 VI: Arts and Design.
 - Area VII: Flexible: 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 I-VI. 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 VII requirements.

Additional Math

12 Total Credits

keyboard_arrow_up

Math

- Complete the following:
 - MATH1522 - Calculus II (4)
 - MATH2531 - Calculus III (4)

University of New Mexico Los Alamos Catalog 2024-2025

- MATH1512 - Calculus I (4)

Additional Science

4 - 12 Total Credits

keyboard_arrow_up

- 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)
 - PHYS1310L - Calculus-Based Physics I Laboratory (1)
 - PHYS1320 - Calculus-Based Physics II (3)
 - PHYS1320L - Calculus-Based Physics II Laboratory (1)

Additional Engineering

15 - 17 Total Credits

keyboard_arrow_up

- 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

University of New Mexico Los Alamos Catalog 2024-2025

Program Description

This Pre-Professional Health Sciences degree program is designed for students who intend to enter one of many possible careers in the Health Sciences such as nursing, dental hygiene, medical laboratory science, etc. Many of these professions require a 4-year degree. This program allows students to complete the first two years of requirements before transferring to another institution to complete their degree. It also provides many prerequisites for degrees beyond the Bachelor's, such as Physician Assistant and Pharmacy.

A minimum GPA of 2.75 is required for this degree, with a minimum grade of C (not C-) in all required courses. Students must meet with UNM-Los Alamos academic advisors for help in choosing the best sequence of courses to take for this program. It is also essential that students consult with academic advisors within their target Professional Health program to assist in making appropriate course choices.

Requirements

General Education Requirements

31 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VB: 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 VB: 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 VI: Creative and Fine Arts: 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 VI: Arts and Design.
 - Area VII: Flexible: 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 I-VI. 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 VII requirements.

Core Course Requirements

31 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Complete the following:
 - BIOL2210 - Human Anatomy and Physiology I (3)
 - BIOL2210L - Human Anatomy and Physiology I Laboratory (1)
 - BIOL2225 - Human Anatomy and Physiology II (3)

University of New Mexico Los Alamos Catalog 2024-2025

- BIOL2225L - Human Anatomy and Physiology II Laboratory (1)
- Earn at least 23 credits from the following:
 - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
 - BIOL1140 - Biology for Health Sciences (3)
 - BIOL1140L - Biology for Health Sciences Lab (1)
 - BIOL2101 - Principles of Biology: Molecules to Cells (3)
 - BIOL2102 - Principles of Biology: Organisms to Ecosystems (3)
 - BIOL2103L - Principles of Biology: Introductory Laboratory (1)
 - BIOL2305 - Microbiology for Health Sciences (4)
 - BUSA1110 - Introduction to Business (3)
 - 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)
 - CHEM1225 - General Chemistry II for STEM Majors (3)
 - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)
 - CHEM2120 - Integrated Organic Chemistry and Biochemistry (4)
 - COMM2120 - Interpersonal Communication (3)
 - MATH1220 - College Algebra (3)
 - MATH1350 - Introduction to Statistics (3)
 - NUTR2110 - Human Nutrition (3)
 - PSYC2120 - Developmental Psychology (3)
 - SOCI1110 - Introduction to Sociology (3)
- *Optional: a maximum of 6 credits from completion of CNA 101, EMS 113, or EMS 142 may be applied toward some of the 23 credits for the Core requirement.

Grand Total Credits: **62**

Degree Credit Hours

62

Are students required to complete a concentration?

No

Are students required to complete an emphasis?

No

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

University of New Mexico Los Alamos Catalog 2024-2025

General Education Requirements

31 Total Credits

keyboard_arrow_up

- Complete all of the following
 - Area I: Communication
 - Earn at least 6 credits from the following types of courses:
Choose two (2) courses from the UNM General Education Program in Area I: Communication.
 - Area II: Mathematics: 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 II: Mathematics and Statistics.
 - Area III: Science: 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 III: Physical and Natural with the associated lab.
 - Area IV: 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 IV: Social and Behavioral Sciences.
 - Area VA: Humanities
 - Earn at least 3 credits from the following types of courses:
Choose one (1) course from the UNM General Education Program in Area VA: Humanities.
 - Area VB: 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 VB: 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 VI: Creative and Fine Arts: 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 VI: Arts and Design.
 - Area VII: Flexible: 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 I-VI. 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 VII requirements.

Core Course Requirements

25 - 33 Total Credits

keyboard_arrow_up

- 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).

University of New Mexico Los Alamos Catalog 2024-2025

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 EMTIntermediate 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

University of New Mexico Los Alamos Catalog 2024-2025

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 of Applied Science degree in Business or Accounting.

Are students required to complete a concentration?

No

University of New Mexico Los Alamos Catalog 2024-2025

Certificate Requirements

- Complete all of the following
 - General Education
 - Complete all of the following
 - Earn at least 3 credits from the following types of courses:
UNM General Education Program in Area 1: Communication
 - Earn at least 3 credits from the following types of courses:
UNM General Education Program in Area 2: Mathematics: Mathematics and Statistics
 - Certificate Core Requirements
 - Complete the following:
 - ACCT2110 - Principles of Accounting I (3)
 - BUSA1110 - Introduction to Business (3)
 - CT102 - Introduction To Microcomputers On The Pc (3 - 4)
 - ECON2120 - Microeconomic Principles (3)
 - Accounting Technical Requirements
 - Complete the following:
 - ACCT2120 - Principles of Accounting II (3)
 - BSTC202 - Microcomputer Accounting (3)
 - Elective Requirements
 - Complete all of the following
 - Earn at least 6 credits from the following:
 - 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)
 - BSTC193 - Topics (1 - 3)
 - BSTC203 - Business Communication (3)
 - BSTC204 - Human Relations in Business (3)
 - BSTC218 - Business Law (3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - BUSA1996 - Topics (1 - 6)
 - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
 - DMA166 - Digital Media Arts II: Illustrator (3)
 - ECON2110 - Macroeconomic Principles (3)
 - MGMT158 - Ethics in Organizations (3)
 - MKTG2110 - Principles of Marketing (3)
 - Note that various Topics courses will be offered and students may receive credit for taking multiple Topics courses.

Grand Total Credits: **30 - 31**

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

keyboard_arrow_up

- 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

keyboard_arrow_up

- 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 Art & 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
 - General Education Requirements
 - Complete all of the following
 - Earn at least 3 credits from the following types of courses:
UNM General Education Program in Area 1: Communication
 - Earn at least 3 credits from the following types of courses:
UNM General Education Program in Area 2: Mathematics: Mathematics and Statistics
 - Certificate Core Requirements
 - Complete the following:
 - ACCT2110 - Principles of Accounting I (3)
 - BUSA1110 - Introduction to Business (3)
 - CT102 - Introduction To Microcomputers On The Pc (3 - 4)
 - ECON2120 - Microeconomic Principles (3)

Grand Total Credits: **18 - 19**

Certificate in Business - Management Concentration

Concentration Title

Certificate in Business - Management Concentration

Concentration Requirements

- Complete all of the following
Management Concentration Technical Requirements
 - Complete the following:
 - ACCT2120 - Principles of Accounting II (3)
 - BSTC113 - Introduction to Project Management (1)
 - BSTC114 - Customer Service And Relations (1)
 - BSTC115 - Time Management (1)
 - Elective Requirement
 - Complete all of the following
 - Earn at least 6 credits from the following:
 - BSTC111 - Introduction to E-Commerce (3)
 - BSTC116 - Stress Management For The Workplace (1)
 - BSTC117 - Organization Skills For The Workplace (1)
 - BSTC118 - Conflict Resolution (1)
 - BSTC193 - Topics (1 - 3)
 - BSTC203 - Business Communication (3)
 - BSTC204 - Human Relations in Business (3)
 - BSTC218 - Business Law (3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - BUSA1996 - Topics (1 - 6)
 - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
 - DMA166 - Digital Media Arts II: Illustrator (3)
 - ECON2110 - Macroeconomic Principles (3)
 - MGMT158 - Ethics in Organizations (3)
 - MKTG2110 - Principles of Marketing (3)
 - Note that various Topics courses will be offered and students may receive credit for taking multiple Topics courses.

Grand Total Credits: **12**

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
 - Marketing Concentration Technical Requirements
 - Complete the following:
 - DMA165 - Introduction To Digital Media Arts I: Photoshop (3)
 - MKTG2110 - Principles of Marketing (3)
 - Elective Requirements
 - Complete all of the following
 - Earn at least 6 credits from the following:
 - ACCT2120 - Principles of Accounting II (3)
 - BSTC111 - Introduction to E-Commerce (3)
 - 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)
 - BSTC203 - Business Communication (3)
 - BSTC204 - Human Relations in Business (3)
 - BSTC218 - Business Law (3)
 - BSTC293 - Topics (1 - 4)
 - BSTC299 - Cooperative Work Experience (1 - 3)
 - BUSA1996 - Topics (1 - 6)
 - DMA166 - Digital Media Arts II: Illustrator (3)
 - ECON2110 - Macroeconomic Principles (3)
 - MGMT158 - Ethics in Organizations (3)
 - Note that various Topics courses will be offered and students may receive credit for taking multiple Topics courses.

Grand Total Credits: **12**

Concentration Description

About the Marketing Concentration Building on the common core requirements of this degree, students in the marketing concentration will take courses in business and digital media arts, as well as management and business organizational methods.

Certificate in Early Childhood Education

Degree/certificate name

Certificate in Early Childhood Education

Program Level

Undergraduate

Program Description

This certificate program in Early Childhood Education (ECED) is designed for students who wish to work in this field or transfer to a two or four-year college or university to complete an Associate's Degree in Early Childhood Education or Bachelor's degree in Early Childhood Education/Family and Child Studies.

Students should consult with an advisor prior to enrollment.

Are students required to complete a concentration?

No

Certificate Requirements

UNM Los Alamos Requirement

3 Total Credits

keyboard_arrow_up

- Earn at least 3 credits from the following types of courses:
General Education Core

Required Courses

29 Total Credits

keyboard_arrow_up

- Complete the following:
 - ECED1110 - Child Growth, Development, and Learning (3)
 - ECED1115 - Health, Safety, and Nutrition (2)
 - ECED1120 - Guiding Young Children (3)
 - ECED1130 - Family and Community Collaboration (3)
 - ECED2115 - Introduction to Language, Literacy, and Reading (3)
 - ECED2120 - Curriculum Development through Play: Birth through Age 4 (PreK) (3)
 - ECED2121 - Curriculum Development through Play: Birth through Age 4 (PreK) Practicum (2)
 - ECED2110 - Professionalism (2)
 - ECED2130 - Curriculum Development and Implementation: Age 3 (PreK) through Grade 3 (3)
 - ECED2131 - Curriculum Development and Implementation: Age 3 (PreK) through Grade 3 Practicum (2)
 - ECED1125 - Assessment of Children and Evaluation of Programs (3)

Grand Total Credits: **32**

Certificate in Electro-Mechanical Technology

Degree/certificate name

Certificate in Electro-Mechanical Technology

Program Level

Undergraduate

University of New Mexico Los Alamos Catalog 2024-2025

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

keyboard_arrow_up

- 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

keyboard_arrow_up

- 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

keyboard_arrow_up

- 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

Degree/certificate name

Certificate in Nuclear Enterprise Science and Technology

Program Level

Undergraduate

Program Description

Nuclear Enterprise Science and Technology Certificate Program Description

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 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.

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 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**

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

Prerequisites

- Earn at least 3 credits from the following:
 - BUSA1110 - Introduction to Business (3)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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
UNM Diversity, Equity, Inclusion, and Power Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: 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)

Anthropology

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

ARTH1120 - Introduction to Art

Subject Code

ARTH

Course Number

1120

Long Title

Introduction to Art

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 VI: Creative and Fine Arts: Arts and Design

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: Arts and Design

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: Arts and Design

University of New Mexico Los Alamos Catalog 2024-2025

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)

Art Studio

University of New Mexico Los Alamos Catalog 2024-2025

ARTS1143 - Introduction to Art & Ecology

Subject Code

ARTS

Course Number

1143

Long Title

Introduction to Art & 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.

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: Creative and Fine Arts: Arts and Design

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: 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

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: 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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

Gen Ed Areas & Diversity

Area VI: Creative and Fine Arts: Arts and Design

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: 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: Science: Physical and Natural Sciences

Biology

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

BIOL2101 - Principles of Biology: Molecules to Cells

Subject Code

BIOL

Course Number

2101

Long Title

Principles of Biology: Molecules to Cells

Description

Biology 2101 covers fundamental principles in molecular cellular biology and molecular genetics. Emphasis is placed on biological molecule structure and function, cell structure, metabolism, gene function and gene expression. This is one of three core courses serving as pre-requisites for all upper division courses in Biology.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

BIOL2102 - Principles of Biology: Organisms to Ecosystems

Subject Code

BIOL

Course Number

2102

Long Title

Principles of Biology: Organisms to Ecosystems

Description

An introduction to 1) basic evolutionary principles underlying the diverse array of organisms observed in nature, 2) the structural and physiological solutions to fundamental problems in organismal biology, and 3) the principles and characteristics of population, community, and ecosystem ecology.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

University of New Mexico Los Alamos Catalog 2024-2025

BIOL2103L - Principles of Biology: Introductory Laboratory

Subject Code

BIOL

Course Number

2103L

Long Title

Principles of Biology: Introductory Laboratory

Description

The Biology Introductory Series introduces undergraduate students to the breadth of topics investigated in the field of biology. This laboratory course trains students in basic laboratory practices commonly used in a variety of fields in biology.

Credits

1

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

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
 - Complete 1 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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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
 - Complete 1 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)

Business Administration

University of New Mexico Los Alamos Catalog 2024-2025

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

BSTC111 - 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)

BSTC113 - 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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

BSTC202 - 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

University of New Mexico Los Alamos Catalog 2024-2025

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)

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

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

University of New Mexico Los Alamos Catalog 2024-2025

CHEM1110C - Chemistry in Our Community Lecture and Laboratory

Subject Code

CHEM

Course Number

1110C

Long Title

Chemistry in Our Community Lecture and Laboratory

Description

This course will introduce non-science majors to the basic chemistry required to understand topics of current interest affecting their communities, such as air and water quality, global climate change, use of fossil fuels, nuclear power, and alternative energy sources. Experiments will illustrate chemical principles and acquaint students with scientific methods, data processing, critical thinking and scientific writing.

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: Science: Physical and Natural Sciences

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

Description

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: Science: 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)
 - Course Not Found
 - Course Not Found
 - MATH1215 - Intermediate Algebra (3)
 - Or earn test score of: or ACT Math ≥ 22 or SAT Math Section ≥ 540 .

Gen Ed Areas & Diversity

Area III: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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:
 - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
 - Earned a minimum grade of C in each of the following:
 - Course Not Found

Other Restrictions

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

Gen Ed Areas & Diversity

Area III: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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
 - 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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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
 - Complete all of the following
 - Complete all 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)
 - 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: Science: 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

Chinese

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

Civil Engineering

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

CLST2120 - Roman Civilization

Subject Code

CLST

Course Number

2120

Long Title

Roman Civilization

Description

An interdisciplinary introduction to ancient Rome. Lectures on Roman literature, history, art 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 VA: Humanities

Communication

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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?

Yes

How many times can the course be repeated?

3

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)

University of New Mexico Los Alamos Catalog 2024-2025

COMM2150 - Communication for Teachers

Subject Code

COMM

Course Number

2150

Long Title

Communication for Teachers

Description

This course will investigate and critically evaluation 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)

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

COMP2222 - 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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

Computer Science

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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. 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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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)

CSCI1230 - C Programming

Subject Code

CSCI

Course Number

1230

Long Title

C Programming

Description

Introduction to programming in the C language. Topics include input, output, operators and expressions, control structures for branching and looping, functions, pointers and arrays. Functions in the standard libraries will be covered.

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:
 - CSCI1260 - Computer Programming Fundamentals: Java I (3)

CSCI1260 - Computer Programming Fundamentals: Java I

Subject Code

CSCI

Course Number

1260

Long Title

Computer Programming Fundamentals: Java I

Description

This course is an introduction to problem-solving methods and algorithm development using Java. Students will learn how to design, code, debug, and document programs. Students will explore basic programming concepts including variables, data types, operators and expressions. They will also learn how to work with the Java preprocessor directives and libraries. Students will learn about input/output mechanisms, including command prompt interaction, reading and writing data to files. Students will be introduced to control structures such as branching, conditionals, iteration, and loops and arrays. They will also learn how to define and use functions to structure code and improve code reuse.

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:
 - Course Not Found

CSCI2260 - Computer Programming Fundamentals: Java 2

Subject Code

CSCI

Course Number

2260

Long Title

Computer Programming Fundamentals: Java 2

Description

This course is a continuation of Java object-oriented programming. This course is a deeper exploration of object-oriented programming. Including: classes and objects, and associated topics such as constructors, properties, and methods, inheritance, polymorphism, encapsulation, abstraction, exception handling and best practices.

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:
 - CSCI1260 - Computer Programming Fundamentals: Java I (3)

CSCI2310 - Discrete Mathematics for Computer Science

Subject Code

CSCI

Course Number

2310

Long Title

Discrete Mathematics for Computer Science

Description

Discrete mathematics required for Computer Science, including topics such as the basics of logic, number theory, methods of proof, sequences, mathematical induction, set theory, counting and functions.

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:
 - MATH1512 - Calculus I (4)
 - Earned a minimum grade of A in each of the following:
 - MATH1240 - Pre-Calculus (3)

Computer Technology

University of New Mexico Los Alamos Catalog 2024-2025

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 draftsman 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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: Arts and Design

Digital Media Arts

University of New Mexico Los Alamos Catalog 2024-2025

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

Intended as a first course for students with no previous exposure to drafting. The class will include hands-on drawing in class and will introduce basic topics in drafting methods.

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)

Early Childhood Education

University of New Mexico Los Alamos Catalog 2024-2025

ECED1110 - Child Growth, Development, and Learning

Subject Code

ECED

Course Number

1110

Long Title

Child Growth, Development, and Learning

Description

This basic course in the growth, development, and learning of young children, prenatal through age eight, provides students with the theoretical foundation for becoming competent early childhood professionals. The course includes knowledge of how young children grow, develop and learn. Major theories of child development are integrated with all domains of development, including biological-physical, social, cultural, emotional, cognitive and language. The adult's role in supporting each child's growth, development and learning is emphasized.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

University of New Mexico Los Alamos Catalog 2024-2025

ECED1115 - Health, Safety, and Nutrition

Subject Code

ECED

Course Number

1115

Long Title

Health, Safety, and Nutrition

Description

This course provides information related to standards and practices that promote children's physical and mental well-being sound nutritional practices, and maintenance of safe learning environments. It includes information for developing sound health and safety management procedures for indoor and outdoor learning environments for young children. The course examines the many scheduling factors that are important for children's total development, healthy nutrition, physical activity, and rest.

Credits

2

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

University of New Mexico Los Alamos Catalog 2024-2025

ECED1120 - Guiding Young Children

Subject Code

ECED

Course Number

1120

Long Title

Guiding Young Children

Description

This course explores various theories of child guidance and the practical applications of each. It provides developmentally appropriate methods for guiding children and effective strategies and suggestions for facilitating positive social interactions. Strategies for preventing challenging behaviors through the use of environment, routines and schedule will be presented. Emphasis is placed on helping children become self-responsible, competent, independent, and cooperative learners and including families as part of the guidance approach.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

University of New Mexico Los Alamos Catalog 2024-2025

ECED1125 - Assessment of Children and Evaluation of Programs

Subject Code

ECED

Course Number

1125

Long Title

Assessment of Children and Evaluation of Programs

Description

This basic course familiarizes students with a variety of culturally appropriate assessment methods and instruments, including systematic observation of typically and non-typically developing children. The course addresses the development and use of formative and summative assessment and evaluation instruments to ensure comprehensive quality of the total environment for children, families, and the community. Students will develop skills for evaluating the assessment process and involving other teachers, professionals and families in the process.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

University of New Mexico Los Alamos Catalog 2024-2025

ECED1130 - Family and Community Collaboration

Subject Code

ECED

Course Number

1130

Long Title

Family and Community Collaboration

Description

This beginning course examines the involvement of families and communities from diverse cultural and linguistic backgrounds in early childhood programs. Ways to establish collaborative relationships with families in early childhood settings is discussed. Families' goals and desires for their children will be supported through culturally responsive strategies.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

ECED2110 - Professionalism

Subject Code

ECED

Course Number

2110

Long Title

Professionalism

Description

This course provides a broad-based orientation to the field of early care and education. Early childhood history, philosophy, ethics and advocacy are introduced. Basic principles of early childhood systems are explored. Multiple perspectives on early care and education are introduced. Professional responsibilities such as cultural responsiveness and reflective practice are examined.

Credits

2

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

ECED2115 - Introduction to Language, Literacy, and Reading

Subject Code

ECED

Course Number

2115

Long Title

Introduction to Language, Literacy, and Reading

Description

This course is designed to prepare early childhood professionals for promoting children's emergent literacy and reading development. Through a developmental approach, the course addresses ways in which early childhood professionals can foster young children's oral language development, phonemic awareness, and literacy problem solving skills, fluency, vocabulary, and comprehension. This course provides the foundation for early childhood professionals to become knowledgeable about literacy development in young children. Instructional approaches and theory-based and research based strategies to support the emergent literacy and reading skills of native speakers and English language learners will be presented.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

University of New Mexico Los Alamos Catalog 2024-2025

ECED2120 - Curriculum Development through Play: Birth through Age 4 (PreK)

Subject Code

ECED

Course Number

2120

Long Title

Curriculum Development through Play: Birth through Age 4 (PreK)

Description

The beginning curriculum course places play at the center of curriculum in developmentally appropriate early childhood programs. It addresses content that is relevant for children birth through age four in developmentally and culturally sensitive ways of integrating content into teaching and learning experiences. Information on adapting content areas to meet the needs of children with special needs and the development of IFSPs is included. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills, and adaptive learning for children, birth through age four, is emphasized.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Corequisites

- Concurrently enrolled in:
 - ECED2121 - Curriculum Development through Play: Birth through Age 4 (PreK) Practicum (2)

University of New Mexico Los Alamos Catalog 2024-2025

ECED2121 - Curriculum Development through Play: Birth through Age 4 (PreK) Practicum **Subject Code**

ECED

Course Number

2121

Long Title

Curriculum Development through Play: Birth through Age 4 (PreK) Practicum

Description

The field based component of this course will provide experiences that address curriculum content that is relevant for children birth through age four in developmentally and culturally sensitive ways of integrating content into teaching and learning experiences. Information on adapting content areas to meet the needs of children with special needs and the development of IFSPs is included. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills, and adaptive learning for children, birth through age four, is emphasized.

Credits

2

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Corequisites

- Concurrently enrolled in:
 - ECED2120 - Curriculum Development through Play: Birth through Age 4 (PreK) (3)

Prerequisites

- Earned a minimum grade of C in at least 1 of the following:
 - ECED1110 - Child Growth, Development, and Learning (3)
 - Course Not Found
 - Course Not Found

University of New Mexico Los Alamos Catalog 2024-2025

ECED2130 - Curriculum Development and Implementation: Age 3 (PreK) through Grade 3 **Subject Code**

ECED

Course Number

2130

Long Title

Curriculum Development and Implementation: Age 3 (PreK) through Grade 3

Description

The curriculum course focuses on developmentally appropriate curriculum content in early childhood programs, age 3 through third grade. Development and implementation of curriculum in all content areas, including literacy, numeracy, the arts, health and emotional wellness, science, motor and social skills is emphasized. Information on adapting content areas to meet the needs of children with special needs and the development of IEPs is included.

Credits

3

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Corequisites

- Concurrently enrolled in:
 - ECED2131 - Curriculum Development and Implementation: Age 3 (PreK) through Grade 3 Practicum (2)

University of New Mexico Los Alamos Catalog 2024-2025

ECED2131 - Curriculum Development and Implementation: Age 3 (PreK) through Grade 3 Practicum Subject Code

ECED

Course Number

2131

Long Title

Curriculum Development and Implementation: Age 3 (PreK) through Grade 3 Practicum

Description

The field-based component of this course will provide experiences that address developmentally appropriate curriculum content in early childhood programs, age 3 through third grade. Development and implementation of curriculum in all content areas, including literacy, numeracy, the arts, health and emotional wellness, science, motor and social skills is emphasized. Information on adapting content areas to meet the needs of children with special needs and the development of IEPs is included.

Credits

2

Grade Mode

Standard

May the course be repeated for credit?

No

Course Level

Lower division undergraduate (100-2999)

Corequisites

- Concurrently enrolled in:
 - ECED2130 - Curriculum Development and Implementation: Age 3 (PreK) through Grade 3 (3)

Prerequisites

- Earned a minimum grade of C in at least 1 of the following:
 - ECED1110 - Child Growth, Development, and Learning (3)
 - Course Not Found
 - Course Not Found

Economics

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

Education

University of New Mexico Los Alamos Catalog 2024-2025

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)

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

Basic elements and sources. Energy and power. Ohm's law and Kirchhoff's laws. Resistive networks, node and loop analysis. Network theorems. First-order and second-order circuits. Sinusoidal sources and complex representations: impedance, phasors, complex power. Three-phase circuits. Pre- or corequisite: PHYS 1320.

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
 - 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

Analysis of balanced three-phase circuits. Laplace transform with applications to circuit analysis. Passive and active filters. Fourier series and Fourier transform analysis. The two-port circuits.

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

Binary number systems. Boolean algebra. Combinational, sequential and register transfer logic. VHDL. Arithmetic/logic unit. Memories, computer organization. Input-output. Microprocessors.

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)

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

An introduction to the analysis and synthesis of combinational logic circuits. Boolean algebra, logic gates, Karnaugh maps, MSI and LSI integrated circuits. Interpretation of logic diagrams. Techniques of troubleshooting digital circuits.

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

Study of amplifiers, oscillators, integrated circuits, and operational amplifiers. Computer solutions of electronic circuits.

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

Advanced laboratory measurements and design. Measurements using AC and DC meters, ohmmeters, oscilloscopes, signal generators, and pulse generators. Computer circuit stimulation.

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)

ELCT264 - 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)

Emergency Medicine

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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

Engineering

University of New Mexico Los Alamos Catalog 2024-2025

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 $\geq 249-283$.

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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
UNM Diversity, Equity, Inclusion, and Power Requirement

English

University of New Mexico Los Alamos Catalog 2024-2025

ENGL1110 - Composition I

Subject Code

ENGL

Course Number

1110

Long Title

Composition I

Description

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.

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.

University of New Mexico Los Alamos Catalog 2024-2025

ENGL1110X - 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 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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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

- Earned a minimum grade of C in at least 1 of the following:
 - ENGL1120 - Composition II (3)

Other Restrictions

ACT English =>29 or SAT Evidence-Based Reading and Writing =>700 or Lobo Course Placement (LCP)-English =40.

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

- Earned a minimum grade of C in at least 1 of the following:
 - ENGL1120 - Composition II (3)

Other Restrictions

ACT English =>29 or SAT Evidence-Based Reading and Writing =>700 or Lobo Course Placement (LCP)-English =40.

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.

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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.

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

Gen Ed Areas & Diversity

UNM Diversity, Equity, Inclusion, and Power Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

UNM Diversity, Equity, Inclusion, and Power Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

UNM Diversity, Equity, Inclusion, and Power Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

Environmental Science

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

Film & Digital Media Arts

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: 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)

Fine Art

University of New Mexico Los Alamos Catalog 2024-2025

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)

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

General Studies

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

Geography & Environmental Studies

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

GEOG1160L - Home Planet Laboratory

Subject Code

GEOG

Course Number

1160L

Long Title

Home Planet Laboratory

Description

Exercises designed to complement 1160. Applied problems in the spatial processes of the physical environment. Map construction and reading, weather and climatic analysis, classification of vegetative and soil associations, landform distribution analysis. 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:
 - GEOG1160 - Home Planet: Land, Water, Life (3)

Gen Ed Areas & Diversity

Area III: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

UNM Diversity, Equity, Inclusion, and Power Requirement

Geology

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: 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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

GRMN1110 - German I

Subject Code

GRMN

Course Number

1110

Long Title

German I

Description

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.

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 VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

Greek

University of New Mexico Los Alamos Catalog 2024-2025

GREK1110 - Greek I

Subject Code

GREK

Course Number

1110

Long Title

Greek I

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 VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

GREK1120 - Greek II

Subject Code

GREK

Course Number

1120

Long Title

Greek II

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 VB with the UNM Second Language Requirement

History

University of New Mexico Los Alamos Catalog 2024-2025

HIST1105 - Making History

Subject Code

HIST

Course Number

1105

Long Title

Making History

Description

General introduction to history: how historians carry out research and develop interpretations about the past. Meets New Mexico General Education Curriculum Area 5: Humanities.

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

UNM Diversity, Equity, Inclusion, and Power Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

Information Technology

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

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)

University of New Mexico Los Alamos Catalog 2024-2025

IT165 - Introduction to Web Authoring

Subject Code

IT

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

CT 165

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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: 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)

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

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the 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 VB with the UNM Second Language Requirement

Latin

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the 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 VB with the UNM Second Language Requirement

Linguistics

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

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)

Marketing

University of New Mexico Los Alamos Catalog 2024-2025

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)

Mathematics

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)

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)

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 \Rightarrow 22 or SAT Math Section \Rightarrow 540 or ACCUPLACER Next-Generation Advanced Algebra and Functions \Rightarrow 218 or ACCUPLACER Next-Generation Quantitative Reasoning, Algebra, and Statistics \Rightarrow 253 LCP Math \Rightarrow 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: 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:
 - FYEX1010 - Foundational Math (3)
 - MATH022 - Introduction to Algebra Part II (1 - 2)
 - Course Not Found
 - ACT Math ≥ 17 or SAT Math Section ≥ 460 or ACCUPLACER Next-Generation Advanced Algebra and Functions ≥ 218 -238 or Lobo Course Placement Math ≥ 20

MATH1220 - College Algebra

Subject Code

MATH

Course Number

1220

Long Title

College Algebra

Description

Preparation for 1240 and 1430. The study of equations, functions and graphs, reviewing linear and quadratic functions, and concentrating on polynomial, rational, exponential and logarithmic functions. Emphasizes algebraic problem solving skills and graphical representation of functions. 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 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: 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 .

University of New Mexico Los Alamos Catalog 2024-2025

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: Mathematics and Statistics

University of New Mexico Los Alamos Catalog 2024-2025

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: Mathematics and Statistics

University of New Mexico Los Alamos Catalog 2024-2025

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 \Rightarrow 22 or SAT Math Section \Rightarrow 540 or ACCUPLACER Next-Generation Quantitative Reasoning, Algebra, and Statistics \Rightarrow 253 or Lobo Course Placement Math \Rightarrow 30.

Gen Ed Areas & Diversity

Area II: Mathematics: 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: 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: 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)

Other Restrictions

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 or Math 1230 and Lobo Course Placement Math ≥ 60 .

Gen Ed Areas & Diversity

Area II: Mathematics: 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: Mathematics and Statistics

University of New Mexico Los Alamos Catalog 2024-2025

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)

MATH2410 - Applied Ordinary Differential Equations

Subject Code

MATH

Course Number

2410

Long Title

Applied Ordinary Differential Equations

Description

An introduction to differential equations. Students will be able to classify, construct, and solve different types of equations. Systems of equations, Laplace transforms, series solutions, and numerical methods are introduced.

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:
 - MATH1522 - Calculus II (4)

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

University of New Mexico Los Alamos Catalog 2024-2025

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. lab.

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
 - Complete 1 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 or LCP Math score ≥ 40 . 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.

University of New Mexico Los Alamos Catalog 2024-2025

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)

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)

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: Arts and Design

University of New Mexico Los Alamos Catalog 2024-2025

MUSC1130 - Music Appreciation: Western Music

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 VI: Creative and Fine Arts: 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 VA: Humanities
UNM Diversity, Equity, Inclusion, and Power Requirement

Natural Science

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: 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: Science: Physical and Natural Sciences

Nuclear Facilities Fundamentals

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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)

Personal Care Attendant

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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 use 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

University of New Mexico Los Alamos Catalog 2024-2025

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)

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: 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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

Physics

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: Physical and Natural Sciences

PHYS1115L - Survey: Physics You Need for Life Laboratory

Subject Code

PHYS

Course Number

1115L

Long Title

Survey: Physics You Need for Life Laboratory

Description

A series of laboratory experiments associated with the material presented in 1115. Two 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:
 - PHYS1115 - Survey of Physics (3)

Gen Ed Areas & Diversity

Area III: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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 \Rightarrow 28 or SAT Math Section \Rightarrow 660 or ACCUPLACER Next-Generation Advanced Algebra and Functions \Rightarrow 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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: 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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: 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: Science: 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 III: Science: 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:
 - PHYS1310 - Calculus-Based Physics I (3)

Gen Ed Areas & Diversity

Area III: Science: 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: Science: Physical and Natural Sciences

University of New Mexico Los Alamos Catalog 2024-2025

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: Science: 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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

Provides insight into operational levels, functions, responsibilities of supervisors of established ICS organization. Examines Federal Emergency Management Agency, Incident Command System, creations of FEMA's National Incident Management Systems, how NIMS is structured and works.

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

Radiation Control Tech Boot Camp

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

Religion

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: Humanities

UNM Diversity, Equity, Inclusion, and Power Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VA: 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)

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

Sociology

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

SOCI2210 - Sociology of Deviance

Subject Code

SOCI

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VB with the 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)
 - Course Not Found
 - Course Not Found

Gen Ed Areas & Diversity

Area VB with the UNM Second Language Requirement

University of New Mexico Los Alamos Catalog 2024-2025

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 VI: Creative and Fine Arts: Arts and Design

Welding Technology

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

University of New Mexico Los Alamos Catalog 2024-2025

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)

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

Preparation and setup of arc welding equipment. Process of striking an arc and making stringer beads, weave, overlapping beads and filler metal. Visually detect and correct arc blow.

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)

