



HLC Accreditation Evidence Document

Title: Examples of UNM Main Campus Community and Business Partnerships Minutes

Office of Origin: Office of Academic Affairs

Description: A survey of the various activities and programs sponsored by the main campus that engage with the local community and/or involve certain business partnerships. Entries are organized by the colleges or offices who take part in these activities

Date: 2019

1D_Examples of UNM Main Campus Community and Business Partnerships

Office of the Vice Provost for Research

- Grand Challenges: Sustainable Water Resources, Successful Aging, Substance Use Disorders

UNM President-UNM Chancellor-Mayor of City of Albuquerque

- Initiative to Address Homelessness in Albuquerque

School of Architecture and Planning

- SAP started the Design planning Assistant Center (DPAC) over 30 years ago and it still exists today. We have re-built adobe homes, worked on designs for water systems, acequias, worked to design and develop village markets and most recently are working on designing public toilets for public areas in ABQ. We are also working on Tiny Home designs for Bernalillo County.
- Prof. Caroline Scruggs and Assoc. Prof Moises Gonzales are working on the water quality of NM's water public and community waterways Caroline is a member of the UNM Water Institute.
- Various SAP Faculty have collaborated with the Executive Director of NM Mainstreets. Contracts were developed to design public plazas, shopping districts and Mainstreets. These projects exist in multiple sites in every quadrant of the state.
- Assoc. Prof's Geoff Adams and Moises Gonzales documented and rebuilt a historic Monastery North of Abiquiu.
- Francisco Uvina, director of the historic Preservation Program, runs a summer Institute supported by the national parks where the students learn historic restoration techniques, that allow the students to work on historic sites in National Parks.

Innovation Academy/ University College:

- STC.UNM: a UNM owned non-profit entity; partners with iA to develop programming, seek grants, provide co-curricular programs for students
- Air Force Research Lab (AFRL): collaborates on a number of initiatives, including programming and coursework related to technology transfer; provides funding for student co-curricular events

- Bernalillo County: collaborates on a number of job-related initiatives including internship fairs, business development programming; occasionally provides supplementary funding for co-curricular events
- Nusenda Federal Credit Union: regularly supports student-oriented initiatives; significant funding for events flows from their foundation; also provides resources for First-Year Programming around financial literacy
- Dion's Pizza: Sponsored a student competition, continues to support us with new opportunities for students to solve real-world business problems
- New Mexico Gas Co.: Significant support via their Economic Development Fund for operational support
- Central New Mexico Community College: Programmatic support for 2+1+2 degree pathway program (AA, BA, MBA in 5-years); co-investigators on several grants

The Honors College

- With the New Mexico Philharmonic. Honors and the NM Philharmonic have collaborated for several years on events that bring a "Chautauqua" type experience for the public. The first of these was an ongoing project that involved Honors students the recovery of the music of Manuel Areu, which was performed for the first time in a century by the NM Philharmonic. This year's event will highlight the Art of Faith and feature a public lecture about Sor Maria de Agreda.
- With Starline Printing Company. Each year Starline prints the issues and the ancillary materials for our award-winning student publication, Scribendi, which publishes poetry, prose, and graphic art from Honors students all across the American West.

Dean of Students

- Lobo Food Pantry: Since February 2014, The Dean of Student's office and the LoboRESPECT Advocacy Center have partnered with Roadrunner Food Bank to put on the Lobo Food Pantry for students and community members. Within that time, the Lobo Food Pantry has served over 7,100 people in over 2,800 households. Each month, food pantry coordinators work with Road Runner Food Bank contacts to coordinate the time, drop off location, and invoicing for over 2,500 pounds of food. Coordinators also facilitate volunteer operations, which provide further community service opportunities for students, staff, and faculty.

- UNM Center for Financial Capability: UNM Center for Financial Capability (CFC) is a partnership with Nusenda Credit Union, where Nusenda provides financial support and financial capability training to student peer coaches to help launch a financial literacy center. The partnership leverages Nusenda's financial expertise, and the talents of students to help facilitate peer-to-peer financial education programming, disburse scholarship awards and facilitate financial topic workshops for students at the University of New Mexico. The generous financial contributions and stable partnership with Nusenda Credit Union helps the CFC to ensure that students graduate with financial wellness, and with as little debt as possible.

College of University Libraries & Learning Sciences

- The University Libraries has coordinated and led the LIBROS Consortium of 17 NM academic, research and special libraries to provide an Integrated Library System, including an online catalog, to its members. Established in 1989, LIBROS values optimizing library resources collaboratively for the State's Higher Education Community.
- Founded in 2004 by the NM State Legislature, the University Libraries' Indigenous Nations Library Program reaches out to Native American/Indigenous communities to introduce and assist them in using UNM library resources and services. INLP partners with numerous campus organizations and the following off-campus organizations: Albuquerque Public Schools Indian Education Department, Coalition to Stop Violence Against Native Women, Native American Community Academy, New Mexico Library Association's Native American Libraries Special Interest Group, Santa Fe Indian School, and Southwest Indian Polytechnic Institute.
- The Rocky Mountain Online Archive was established in 2004 with a grant from NEH and has been administered and led by the University Libraries to provide a platform for members to create and display archival finding aids, thus providing important digital access to the archival collections across the region. Membership consists of sixteen institutions in New Mexico, thirteen in Colorado, three in Wyoming, and one in Oklahoma.
- New Mexico Digital Collections, established in about 2005, is hosted and administered by the University Libraries. Twenty-four New Mexico cultural heritage institutions have contributed digital content, including documents, photographs, maps, posters, art and music that illustrate New Mexico history and culture. A particular focus is on water and land issues.

College of Fine Arts

- The UNM DEPARTMENT OF DANCE has had an enduring relationship with the National Flamenco Institute (NFI) since its inception in the mid 70's. UNM dance majors and minors are able to attend performances, workshops and classes at the National Flamenco Institute <http://www.nifnm.org/mission>. Each year, The NFI hosts an international festival - and nearly all of UNM's dance students participate in this festival as performers, guides, teachers and volunteers.
- The UNM DEPARTMENT OF ART has just entered) into a partnership with Meow Wolf, the immersive media experience that started in Santa Fe NM in 2008 as an Art Collective <https://meowwolf.com/> . Meow Wolf is involved in creating and support art across a variety of media, including architecture, sculpture, painting, photography, video production, cross-reality (AR/VR/MR), music, audio engineering, narrative writing, costuming and performance. We have been fortunate to receive a generous offer from Meow Wolf to support two internships for graduating seniors or first year graduate students. This 15 hour internship will be in the summer of 2019 and will be provide on the job training for two students per year from our Experimental Art and Technology area.
- The UNM DEPARTMENT OF MUSIC has partnered with the Historic Hotel Andaluz in Downtown Albuquerque to present UNM Student Jazz Combos every first Wednesday of the month. This real world experience gives our young jazz artists a real -world experience of playing in a Downtown Jazz club. Our students are featured performers every month in the Music of the Casbahs series.
- The UNM CINEMATIC ARTS DEPARTMENT has a partnership with the Screen Actors Guild-American Federation of Television and Radio Artists (SAG AFTRA) that allows union actors to be available to perform in student films. This agreement allows our students to work with professional actors/etc and pay talent at a student rate was developed in 2012 and has added a new level of professionalism to student capstone performances . The department has been working with SAG AFTRA since 2013.

Anderson School of Management

- Anderson's Small Business Institute: SBI faculty (representing every department at Anderson) and student teams (made up of 3-5 MBA students each) consult from 25-35 local businesses, nonprofits and government agencies each semester to conduct research and provide

recommendations re: their business strategies and marketing plans. An independent study by the Mid-Region Council of Governments (MRCOG) in 2015 found who applied the recommendations of UNM student consulting teams to their businesses created 195 direct and indirect jobs, which increased personal income by \$8.28 million in the state and grow the state's economy by \$14.05 million in gross domestic product. Obviously, this number would be higher were MRCOG to repeat the study, given the clients helps since 2015.

- Anderson's outreach on fraud education with the New Mexico Public Education Department: Accounting faculty, particularly Dr. Rich Brody, developed an ethics training class which the PED approved and has given the class twice. These classes were offered free of charge and also gave free training to board members (2014) and teachers and staff (2015) at the Southwest Learning Centers (which used to comprise 4 different schools, now 3 different schools) after a large fraud was uncovered (prior to having an approved course that counts for credit).
- The Fulbright COMEXUS program led by Dr. Manuel Montoya, in our FITE department: Our Binational business program is bringing some of the best minds from Mexico to UNM and they're having a direct impact on our economic growth and the overall quality of our student body. They mentor both local businesses and students while making for a more robust tie with our universities in Mexico. This work has also led to an agreement with the City of Albuquerque to have these students work in positions in city government.
- While it isn't one program, our student teams in various classes and student organizations provide pro bono work to many local businesses and individuals through engagements around strategic planning, developing marketing and market analysis plans, providing free tax preparation help, and through organized volunteer engagements with many community organizations.

School of Engineering Significant Partnerships

- Air Force Research Laboratory – There are two Air Force Centers of Excellence in the School of Engineering; UNM and AFRL signed an Educational Partnership Agreement (since 2013).
- Sandia National Laboratories – Sandia Academic Alliance (since 2015). UNM is being tapped to provide a pipeline for the next generation workforce.

- Los Alamos National Laboratory – Accelerator Pipeline Program. This program supports undergraduate and graduate students in the ECE Department to work on projects of relevance to accelerators at LANL.
- Honeywell - The University of New Mexico signed a master collaboration agreement with Honeywell Federal Manufacturing & Technologies on Monday, facilitating closer collaboration on research and development of new technology to meet national security needs. (June 2016 – present).
- STEM Collaborative Center Partnerships – The STEM Collaborative Center strengthens partnerships between UNM departments who support UNM STEM students. Community STEM stakeholders in this Center are Sandia National Laboratories, Air Force Research Laboratory, Albuquerque Wildlife Federation, NRAO Very Large Array, and Valles Caldera National Preserve.
- STC.UNM - STC.UNM works closely with inventors, venture capitalists, entrepreneurs, new and established companies, and patent lawyers to bring innovative technologies to market. STC.UNM is well positioned to support UNM in developing an innovation district that will be the catalyst in New Mexico for an innovation economy – the new paradigm for economic development.
- SOE's Center for Emerging Energy Technologies (CEET) has had a long-term collaboration with PNM in the area of grid modernization. They have worked with PNM on a number of projects, for example: the Prosperity PV and battery system (the first successful system of its type in the US), funded by the DOE, with SNL and NNMC as collaborators; the CERES project, funded by a grant from PNM through UNM foundation, in which UNM partnered with Lawrence Berkeley lab to demonstrate grid-cooperative building scheduling optimization. They have worked in collaboration with PNM on several projects funded by the Electric Power Research Institute (EPRI). Also, PNM has supported UNM in many applications for federal research funding, for example Jon Hawkins (Manager of Advanced Technology and Strategy) is part of the State Committee in support of the NSF EPSCoR "NM SMART Grid Center."
- Since 2018 Department of Mechanical Engineering is a partner and host for the Sandia National Laboratories' Nonlinear Mechanics and Dynamics (NOMAD) Summer Research Institute. The summer program brings together graduate students and researchers from around the world to tackle research challenges in the field of nonlinear mechanics and dynamics.

- UNM has maintained a close collaborative relationship with the Valles Caldera National Preserve for the past 10 years. The research has been focused on climate change impacts, forest management, and environmental education. The collaboration has been supported by the National Science Foundation, the U.S. Forest Service, the National Park Service, and the Department of the Interior.
- 10. New Mexico Department of Transportation (NMDOT) provides annual research funding in excess of \$1.0 M to UNM Civil, Construction & Environmental Engineering (CCEE) for research related to Transportation and is the main partner for UNM CCEE's annual paving and transportation conference in January (we had our 56th conference in 2019) and continuous support for UNM Resilience Colloquium taking place in August every year (will have 4th colloquium in 2019). UNM CCEE is involved in numerous training programs with NMDOT.
- Associated General Contractors of New Mexico (AGCNM) is a key industrial partner and supporter of UNM CCEE. AGCNM holds one of the two endowed Chairs in CCEE with \$1.0M endowment, numerous student support and scholarships and an endowed house that is used as a guest house for the department and significant industrial training and internships to UNM CCEE students.
- Sandia National Laboratories is a key research funding partner. Sandia funding to UNM CCEE is in excess of \$500-600k annually, specifically in the fields of oil well integrity, strategic petroleum reserves, and environmental engineering. Sandia also is a key partner to UNM CCEE in infrastructure resilience studies.
- Albuquerque Metropolitan Arroyo Flood Control Authority (AMFCA) provides annual funding to support UNM CCEE's hydraulics laboratory to build models simulating new water control structures. AMFCA provides annual funding in excess of \$100-150k.
- Albuquerque Bernalillo County Water Authority (ABCWA) provides annual funding to support UNM CCEE faculty research and hires numerous CCEE graduates over the years. ABCWAA provides annual funding for water and environmental engineering research in excess of \$200k.
- Bohannon Huston Inc. is a key industrial partner and supporter to CCEE through fund raising and advisory activities. BH hires extensively from UNM CCEE graduates and provides continuous support and feedback to the Department.
- The UNM Manufacturing Engineering Program (MEP) is a degree-granting academic program that provides high-tech, hands-on micro-

nano-bio and robotics systems prototyping facilities to high-school, community-college, undergraduate, M.S. and Ph.D. students so they can learn manufacturing methods, and/or do research, and that provides prototyping capabilities to small (but fee-paying) companies so that they can demonstrate working micro-nano-bio devices to venture capitalists. To date, 35 companies have used the UNM Manufacturing Training and Technology Center (MTTC) cleanroom for prototyping micro systems. The cleanroom has received over \$3.4M in cleanroom equipment donations from industry (Intel, Phillips Semiconductor, NGE) and \$0.5M in industry cash (fellowships, operations, educational materials). In addition, the MTTC tenants and users have garnered more than \$365M in venture capital and produced more than 440 high-tech jobs. This MEP-Industry partnership is consistent with the State mission of technology, workforce and economic development.