THE UNIVERSITY OF
NEW MEXICO®

BOARD OF REGENTS
ACADEMIC/STUDENT AFFAIRS & RESEARCH COMMITTEE

MEETING AGENDA

April 5, 2018
1:00 PM
Roberts Room
Scholes Hall

UNIVERSITY OF NEW MEXICO BOARD OF REGENTS'
ACADEMIC/STUDENT AFFAIRS & RESEARCH COMMITTEE MEETING
April 5, 2018 – 1:00 p.m.
Roberts Room, Scholes Hall

AGENDA

I. **Call to Order**

II. **Approval of Summarized Minutes from Previous Meeting**   **TAB A**

III. **Reports/Comments:**
        Provost's Administrative Report
            i. *Chaouki Abdallah, Provost & EVP for Academic Affairs*
        Member Comments
        Advisor Comments

V. **Action Items:**

    A. **Program Deletion:**   **TAB B**
        AA Psychology (Gallup Branch Campus)
        AA Pre-Professional Education (Gallup Branch Campus)
        Certification Pre-Professional Health Sciences (Los Alamos Branch Campus)
        BS Anthropology Concentration: Ethnology/Linguistics (Main Campus)
        Pamela Cheek, Associate Provost for Curriculum & Assessment

    B. **Certification Networking & Linux (Valencia Branch Campus)**   **TAB C**
        Laura Musselwhite, Dean, Valencia Branch Campus

    C. **AAS Manufacturing & Industrial Technology (Valencia Branch Campus)**   **TAB D**
        Laura Musselwhite, Dean, Valencia Branch Campus

    D. **Certification PC Operating Systems & Repair (Valencia Branch Campus)**   **TAB E**
        Laura Musselwhite, Dean, Valencia Branch Campus

    E. **Certification VMware (Valencia Branch Campus)**   **TAB F**
        Laura Musselwhite, Dean, Valencia Branch Campus

    F. **AS Secondary Teacher Education (Gallup Branch Campus)**   **TAB G**
        Joe Henry Kee, Interim Chairperson, Gallup Branch Campus

    G. **AA Elementary Teacher Education (Gallup Branch Campus)**   **TAB H**
        Joe Henry Kee, Interim Chairperson, Gallup Branch Campus

    H. **Certification Community Health (Taos Branch Campus)**   **TAB I**
        Roberta Vigil, Senior Operations Manager, Taos Branch Campus

    I. **Certification Robotics (Los Alamos Branch Campus)**   **TAB J**
        Barbara Yarnell, Chairperson, Los Alamos Branch Campus

VI. **Information Items**

    A. **Enrollment Update**   **TAB K**
        Terry Babbitt, Vice Provost for Enrollment Management & Analytics

    B. **Community Engagement Initiatives**   **TAB L**
        Monica Kowal, Director, Community Engagement Initiatives

VI. **Executive Session-Roberts Room**

Vote to Close the meeting and proceed in Executive Session for consideration of item **IV, C**
    A. Discussion and determination where appropriate of limited personnel matters pursuant to Section
      10-151.H(2), NMSA (1978).

VII.   **Vote to re-open the meeting and certification that only those matters described in Agenda Item IV, C were discussed in Executive Session and if necessary, final action with regard to those matters will be taken in open session.**

VII.   **Public Comment**

VIII.   **Adjournment**

Meeting Summary
(All "TABS" correlate to the January ASAR E-Book)

Committee members present: Regent Robert Doughty, Regent Suzanne Quillen, Student Regent Garrett Adcock Interim Provost & EVP for Academic Affairs Richard Wood, Faculty Senate President Pamela Pyle, Staff Council President Elect Rob Burford

Regents' Advisors present: ASUNM President Noah Brooks, GPSA Chief of Staff Trajuan Briggs

I.   **Call to Order 1:04 pm**

II. **Approval of Summarized Minutes from Previous Meeting**
         TAB A
     Motion to Approve: *Faculty Senate President Pyle*
     Second: *Regent Quillen*
     Motion: Approved

III. **Approval of Corrected Minutes for the December 7, 2017 Meeting**
         TAB B
     Motion to Approve: *Faculty Senate President Pyle*
     Second: *Regent Quillen*
     Motion: Approved

IV. **Reports/Comments:**
Provost's Administrative Report

Richard Wood, Outgoing Interim Provost & EVP for Academic Affairs
(Presentation Attached)
- Opening remarks welcoming new President Garnett Stokes
- Discussion of leadership change of Chaouki Abdallah returning as Provost
- Dean Julie Coonrod's appointment was renewed for another five years
- Sonia Rankin was named Director of First Year Success Projects
- Farris Engineering is completed & a ribbon cutting ceremony is scheduled for March 1st
- Budget continues to be a concern and could yield painful negative impacts to the university

Member Comments
Faculty Senate President
- The legislative session ended and through various initiatives two faulty projects received funding
    o $88,000 was given to the College of Pharmacy to update their 911 call center
    o $73,800 was given to the Art department for a facility renewal
- A free speech panel discussion that highlighted the ability to discuss differing views in a respectful manner
    o One of the take a ways was that different people have different definitions of violence

Advisor Comments
ASUNM President
- ASUNM is currently planning for "Lobo Day"
- The ASUNM elections will be kicking off soon
- The goal for this year's LoboTHON is $66,000
- April 7th will be the annual Fiestas event

V. Action Items:

A. Approval of Dana C. Woods Naming Opportunities   TAB C
Christos Christodoulou, Dean, School of Engineering
Motion to Approve: *Interim Provost Woods*
Second: *Faculty Senate President Pyle*
Motion: Approved

B. Approval of Dr. Maxine Baca Zinn Endowed Professorship   TAB D
Mark Peceny, Dean, College of Arts & Sciences
Motion to Approve: *Faculty Senate President Pyle*
Second: *Regent Adcock*
Abstentions: *Interim Provost Woods*
Motion: Approved

C. Endorsement of Indigenous Peoples Day Proclamation
 TAB E
Alex Lubin, Interim Associate Provost for Faculty Development
Motion to Approve: *Interim Provost Woods*
Second: *Faculty Senate President Pyle*
Motion: Approved

D. Approval of Certificate in Hospitality Management (Taos Branch Campus)
 TAB F
Roberta Vigil, Senior Operation Manager, Taos Branch Campus
Victoria Gonzales, Program Manager, Taos Branch Campus
Motion to Approve: *Faculty Senate President Pyle*
Second: *Regent Adcock*
Motion: Approved

E. Program Deletion: AAS Office & Business Technology (Valencia Branch Campus)
 TAB G
Pamela Cheek, Interim Associate Provost for Curriculum & Assessment
Motion to Approve: *Regent Quillen*
Second: *Faculty Senate President Pyle*
Motion: Approved

VI. Faculty Presenter:
"Uncovering our diverse students' strengths and developing their potential"
 TAB H
Vanessa Svhla, Assistant Professor, Organizational, Information & Learning Sciences
(Presentation Attached)
- Presentation covered a different way of looking at diverse student groups
- Discussion around how programs like ADVANCE at UNM can have an impact
- Overview and a new way of thinking about what a remedial student
- Students come to the university with a diverse background in problem solving

VII.   Information Items:

   A. Course Fees   **TAB I**
   Pamela Cheek, Interim Provost for Curriculum & Assessment
   Nicole Dopson, Director, Financial Operations
   - Overview of the course fee policies and procedures
   - Discussion around the scope and purpose of course fees
   - Presentation on how course fees impact the budget

   B. Master of Law Differential Tuition   **TAB J**
   Alfred Mathewson, Dean, School of Law
   Sergio Pareja, Dean, School of Law
   Nicole Dopson, Director, Financial Operations
   - Timeline and status of the differential request for Master of Legal Studies
   - Overview of the academic program including creation, program requirements and student learning outcomes
   - Breakdown of the types of students enrolled in the program
   - Discussion around the budget

   C. Higher Learning Commission & Assessment Update   **TAB K**
   Pamela Cheek, Interim Associate Provost for Curriculum & Assessment
   Joseph Suilmann, Program Manager
   - Overview of the comprehensive visits
   - Breakdown of the evidence library
   - Discussion around strengthening the assurance argument
   - Status update on assessment
   - Breakdown of the re-organized office structure
   - Discussion around the new general education program

   D. Academic Affairs Budget Update
        TAB L
   Richard Wood, Interim Provost & EVP for Academic Affairs
   Nicole Dopson, Director, Financial Operations
   (Presentation Attached)
   Budget leadership Team update
   Discussion of protections, new revenues and shortfalls
   Budget and overview of the FY19 Academic Affairs top priorities

VII.   Public Comment

VIII.   Adjournment 2:43pm
         Motion to Approve: *Interim Provost Woods*
         Second: *Regent Quillen*
         Motion: Approved

Provost's Administrative Report

Richard Wood

Outgoing Interim Provost

Regents' Academic/Student Affairs & Research Committee

March 1, 2018

Leadership Updates

- Pleased to welcome Garnett Stokes as the 23rd President of UNM at a welcome event this morning

- And, happy to welcome Chaouki Abdallah back as Provost

- Wood has returned to the Interim Sr. Vice Provost role
  - Provost Abdallah has indicated interest in proceeding with a search for a non-interim senior vice provost in the coming weeks. Searches to fill the interim associate provost positions are TBD.

- Julie Coonrod, Dean of Graduate Studies renewed for another five year appointment

- Sonia Gipson Rankin, Associate Dean for University College named Director of First Year Success Projects to:
  - Coordinate specified activities and initiatives that promote first-year student success
  - Continue to improve and streamline freshman orientation
  - Evaluate and improve first-year transfer student experiences

Leadership Updates

- Division of Equity & Inclusion Task Force Recommendations
    - Task force report was discussed at last meeting
    - Focus is on deeply linking "excellence and equity" rather than pursuing separately
    - Decision on moving forward is with President Stokes

- UNM Press
    - MOU between the Provost's Office and University Libraries and Learning Sciences was signed on March 2, 2018
    - RFP to outsource *only* warehouse & distribution services is being negotiated
    - Receiving community feedback

Special Initiatives

- Re-Engineering of the University
  - Provost Abdallah initiative
  - President Stokes has been briefed and is enthusiastic
  - Task force and charge developed and will be announced

Facility Updates

- Farris Engineering Renovation Ribbon Cutting
  - Today (March 1), remarks starting at 3:30
  - President Stokes, Provost Abdallah, Dean Christodoulou, Dean Emeritus Cecchi and State Representative Larry Larranaga speaking

Facility Updates

- McKinnon Center for Management
  - Substantial project completion in March
  - Move in-complete by June

Facility Updates

- Physics, Astronomy & Interdisciplinary Sciences Building (PAIS)
  - Reservoir site cleared and being excavated for construction
  - Ground-breaking ceremony March 20, 2018

Budget

- Budget continues to be a primary focus
  - Anticipated new money from the State
  - But:
    - $5.5M budget deficit for FY19 in Academic Affairs alone
      - Past budget cuts created holes to fill
      - Enrollment declines (therefore tuition revenue) a factor
      - Compensation increase only partially funded
  - Painful budget prospects could have a negative impact on the academic mission

Questions/Comments?

Uncovering our diverse students' strengths

and developing their potential

Vanessa Svihla, PhD

Assistant Professor   vsvihla@unm.edu

Organization, Information & Learning Sciences

Chemical & Biological Engineering

Achieving our asset-based vision

A faculty ready to support diverse students—who bring myriad assets—to become chemical engineers uniquely capable of empathizing with and addressing human needs and grand challenges

- Formation of Accomplished Chemical Engineers for Transforming Society (FACETS)
  - NSF <u>R</u>evolutionizing <u>E</u>ngineering & Computer Science <u>D</u>epartments (RED)
  - of 19 programs: only 2 HSIs

UNM president says school must 'do business differently'

By Jessica Dyer / Journal Staff Writer
T........ ..2017 at 12:02am

State cuts, fewer students put NM higher ed in crisis

By Chris Quintana / Journal Staff Writer
Published: Sunday, March 5th, 2017 at 12:05am
Updated: Tuesday, March 7th, 2017 at 10:01am

UNM to freeze staff hiring, cut bud...

By Chris Quintana / Journal Staff Writer
Published: Tuesday, September 13th, 2016 at 11:50pm
Updated: Wednesday, September 14th, 2016 at 11:31pm

f SHARE

TWEET

in LINKEDIN

EMAIL

University of New Mexico President Bob Frank announced Tuesday he will freeze staff hiring and advised administrators to prepare for a 5 percent cut due to the shrinking state budget.

3

deficit thinking

- Adoption of *Next Generation Science Standards* in New Mexico
  - Engineering in K-12 curriculum!
- As of today, first UNM president who is a woman!
- Major grant-funded projects like ADVANCE, FACETS that focus on change

a perfect pivot point

Research conducted in New Mexico is *Future-Ready*

- UT-Austin
  - What starts here, changes the world
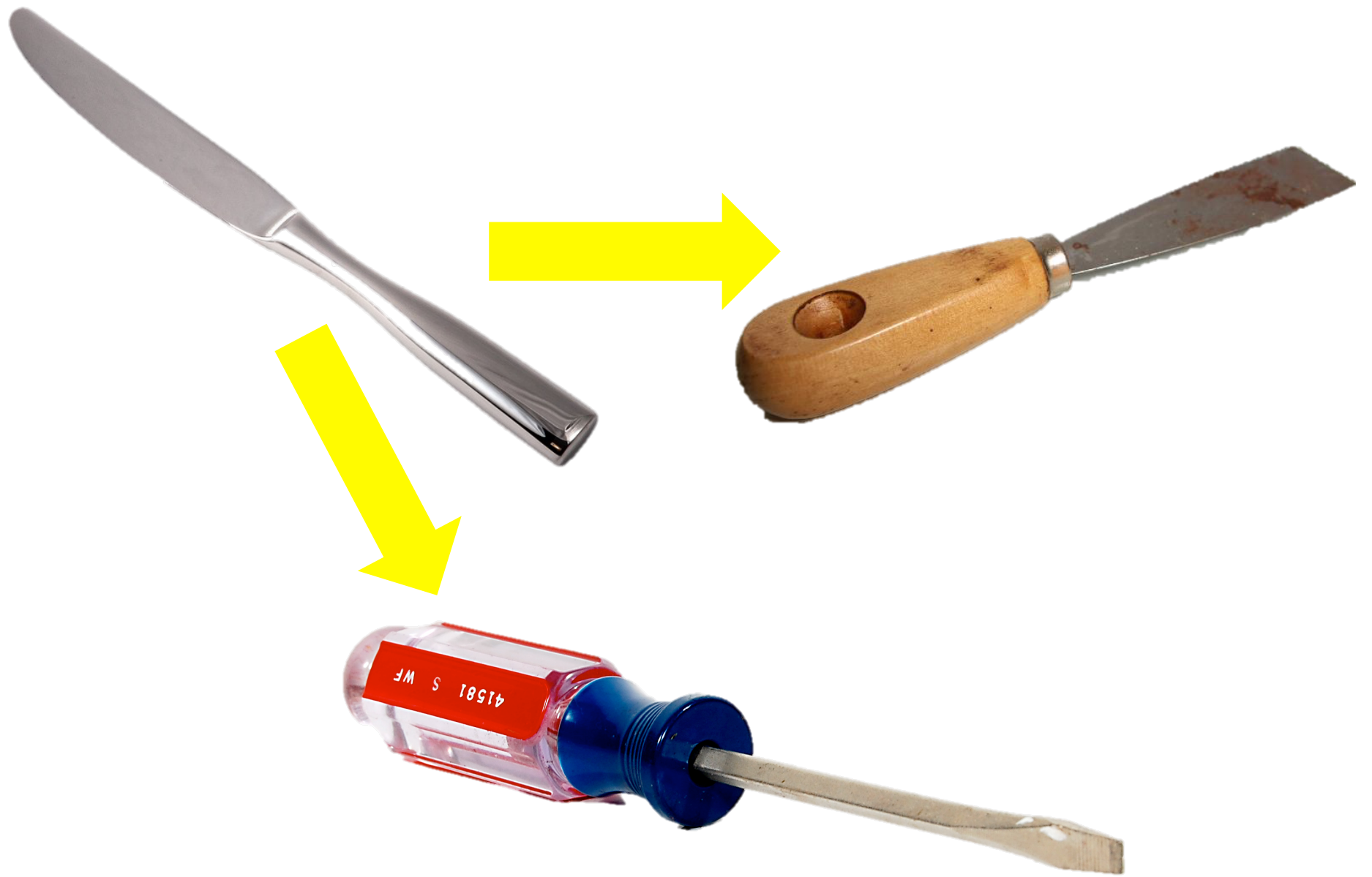- UNM
  - What starts here, changes the future!

remedial

passionate community advocate, eager to learn

HOW CAN WE UNCOVER THE INTERESTS, SKILLS & BELIEFS OUR DIVERSE STUDENTS HOLD THAT ARE RELEVANT FOR ENGINEERING?

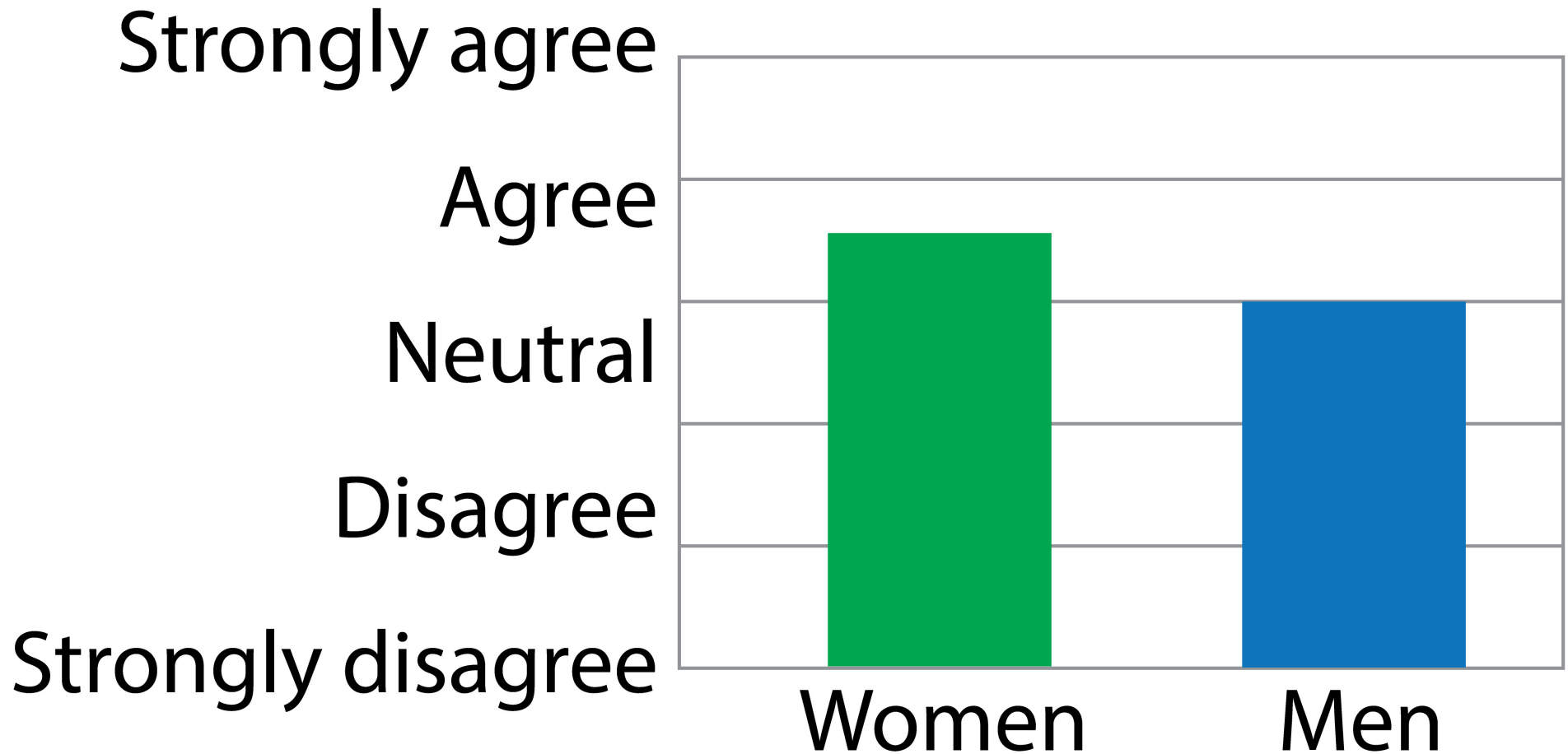What have you used a butter knife for?

WHAT ENGINEERING ASSETS DO OUR CBE STUDENTS BRING?

Is design a learning activity?

Strongly agree

Agree

Neutral

Disagree

Strongly disagree

First Generation

Not First Generation
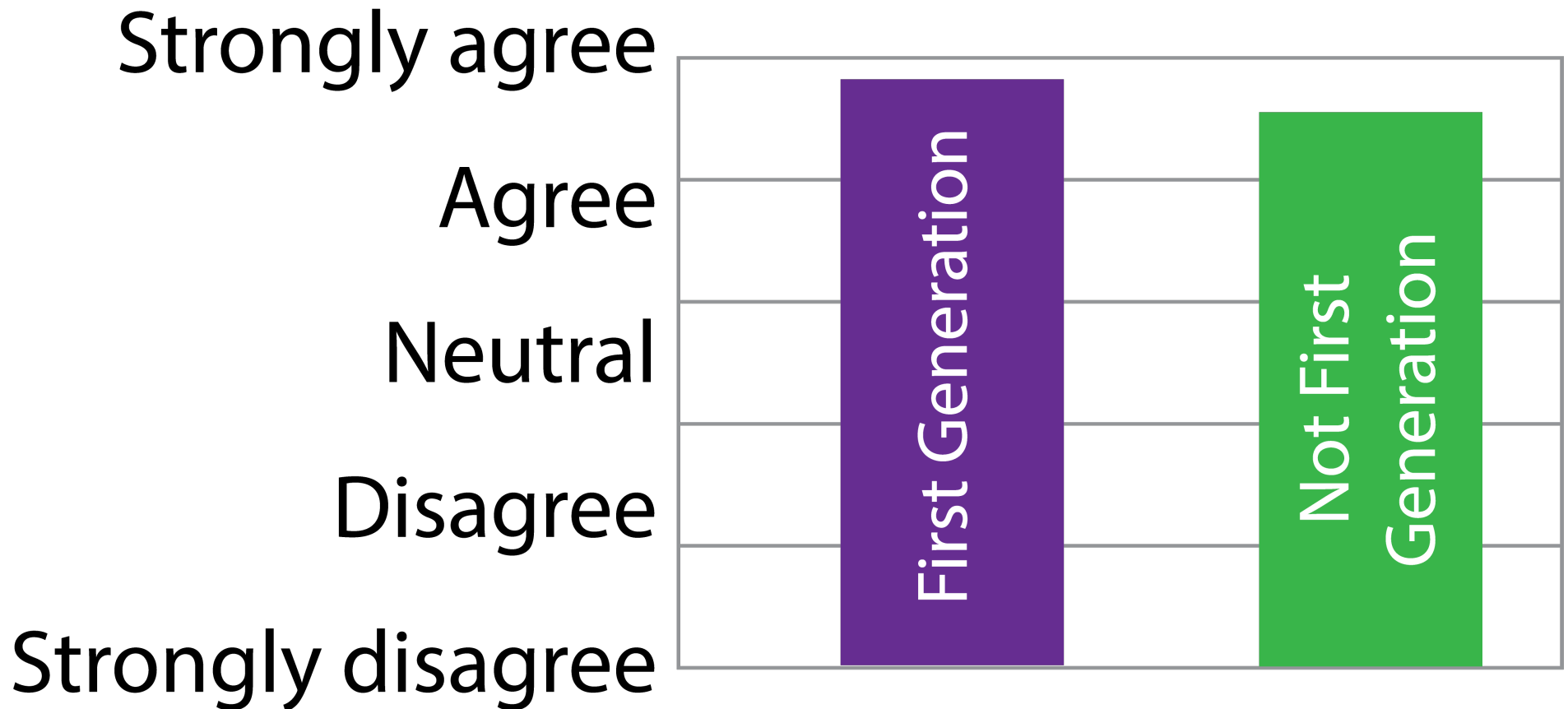
14 *t*(113)= 2.50, *p* < 0.05

Our diverse students come to us as creative problem solvers!

- Students with lower formal pre-college knowledge of engineering actually scored significantly higher on a measure of design problem framing ability!
  – authentic, yet accessible design challenge
- When invited to do so, they draw upon their life experiences—their ingenuity.

But where—in the early coursework—do we invite students to do so?
Where can we build upon this strong foundation of ingenuity?

Can we shift faculty beliefs?
Practices?

Yes!

- Our faculty seemed excited to find out that our students are "engineering-ready" creative problem solvers
- They brag about our students' abilities
- We are collaboratively building on these strengths
  - Redesigning courses
  - Studying the impact

Example: Acid Mine Drainage

- 1st year design teams
- Develop a prevention or emergency response system for a rural NM community
- Develop a community engagement strategy
- "Teams lacking a member from a rural community are at a deficit."

rural expert, budding engineer

What supports do faculty need to implement such changes?

MANY, MANY FACTORS

Strategy 1
"Near-peer" professional development workshops

- Near-peers are faculty from the SAME discipline who have already:
  – shifted to new approaches;
  – implemented new approaches; and
  – studied the impact of their new approaches

Strategy 2
Collaborative research on teaching & learning

- Analyzing student data (not just grading)
- Reading research on learning and teaching
- Attending and presenting at discipline-based education research conferences
- Counts toward research at P&T decisions

Recommendations for UNM

- Unwavering commitment to an inclusive, asset-based vision of excellence
- Emergent and adaptable approach to reach this vision
- Systemic support for making and understanding the impact of change
  - Discipline-based education research must count as research
  - Incentivizing respectful cross-discipline collaborations
  - Ensuring professional development funds are available to support ongoing growth
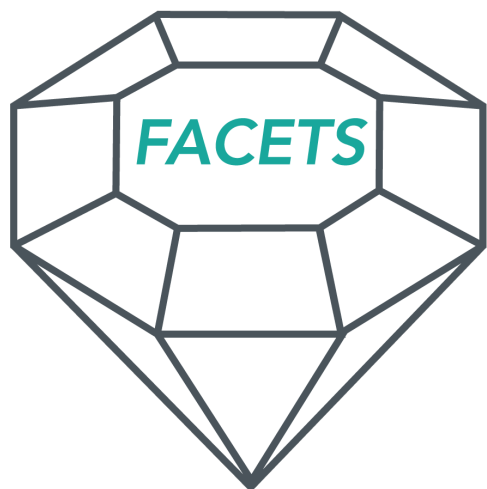
Formation of Accomplished Chemical Engineers for Transforming Society (FACETS, NSF EEC #1544233)
http://facets.unm.edu/
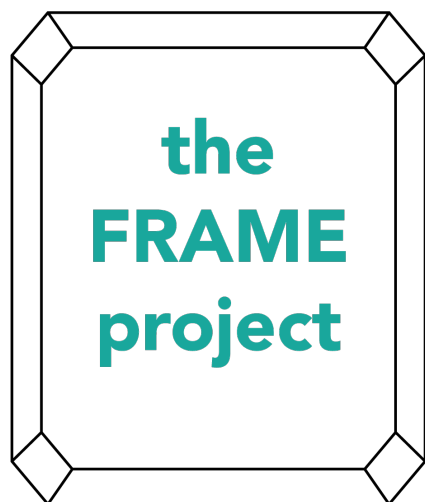
CAREER: Framing and Reframing Agency in Making and Engineering (FRAME, NSF EEC #1751369)
https://careerframe.weebly.com/

Budget Leadership Team (BLT) Update

- BLT continues discussion around factors to consider when developing the FY19 budget recommendation, these factors included:
  - New revenues from the State
    - State appropriation and compensation
  - Projected tuition shortfalls due to enrollment declines and Lottery Scholarship changes
  - Transfers to HSC, Student Aid, etc.
  - Fixed expense changes, such as health care and insurances
  - Funding priorities
  - SFRB funding recommendation

FY19 Academic Affairs Top Funding Priorities

	FY19
Faculty Promotions	425,000
Campus Safety Initiatives	515,000
Faculty Retention	285,000
Graduate Teaching Fellowships	200,000
UNM Press Support	350,000
Total	**1,775,000**

- Campus safety initiatives includes funding for security equipment, security director, resources for the Lobo Advocacy Center, and the Therapist Assisted Online program

- Graduate teaching fellowships for the general education core initiative

Associate of Arts in Psychology   Bruce Gjeltema   3/1/16
Program name and/or Course Number   Initiator's Name   Date

1. **Chairperson/Instructor** (ALL FORMS MUST BE GRAMMATICALLY CORRECT AND TYPED)

☐ **Form A:** (existing course minor change)   ☐ **Form B:** (new course request)   ☒ **Form C:** (degree/program changes)

___Justification   ___Syllabus/Course outline   ___Program outline new & old

___Transferable   ___ Justification   ___Justification

           ___Main Campus Support(If Type II *see back)   ___Needs Analysis

           ___Transferable   ___Articulation Letter

           ___Articulation Letter

2. Department Chair: _Bruce Gjeltema_
   - ➤ Corrections of Syllabus/ Course Outline format   ☐ Yes   ☐ No
   - ➤ All required forms attached   ☐ Yes   ☐ No

3. Dean of Instruction: _____
   - ➤ Budget Implication   ☒ Yes   ☐ No
   - ➤ Review for appropriateness   ☒ Yes   ☐ No

4. Zollinger Library Faculty Representative: ☒ Yes ☐ No   _____ for Rachel Hewitt Bach

5. Reviews by the Manager of Computing Services: ☒ Yes ☐ No

6. Registrar *(Two Weeks Before the Curricular Committee)*:
   - ➤ Duplication of course/program   ☐ Yes ☐ No
   - ➤ Duplication of Main Campus course/program   ☐ Yes ☐ No
   - ➤ Appropriate number of course   (No Form   ☐ Yes ☐ No
   - ➤ All required forms submitted   C)   ☐ Yes ☐ No

   _____   2/24/16
   Signature   Date

7. Dean's Assistant for distribution to Curricular Committee members _M Collinp_ 3/29/16
                                                      Date

8. Curricular Committee Action: ☐ Approval with revisions ☐ Tabled ☒ Approved as Submitted
   ☐ Rejected: Reason _____

   _____   8 Apr. 1 2016
   Chair Signature   Date

9. Faculty Senate Approval ☒ Yes ☐ No: Reason _____

   _____   30 Aug 2016
   President Signature   Date

10. Dean's Assistant notified department to press "Submit to Dept. Chair" button on Curriculum Workflow:

    _9/2/16_ Mcollinp to Kathy and Bruce
    Date

To: Suzette Wyaco, Registrar, University of New Mexico--Gallup

From: Bruce Gjeltema, Interim Chair, Division of the Arts and Sciences

Date: March 24, 2016

Subject: Deletion of the Associate of Arts in Psychology Degree

The Associate of Arts in Psychology Degree, a program administered by the Division of Arts and Sciences, has served UNM-Gallup since 2004.

The AA in Psychology allowed students to take between eighteen and twenty-eight hours of Psychology courses as part of a two-year associate's degree. In order to support this degree, the A & S Division has offered a 100 level introductory course along with nine 200 level courses. Two of these courses are requirements for a bachelor's degree in Psychology at the main UNM campus in Albuquerque.

Based on a program review required by the Faculty Senate Curriculum Committee, the Arts and Sciences Division concluded that the AA in Psychology degree program be deleted. This recommendation was based on the weak graduation numbers (13 students in last 10 semesters), and the cost of offering the nine courses within a four-semester rotation.

After a review of the division recommendation for the deletion of the degree program within the program review, Professor Ken Roberts, Dean of Instruction, concurred with the division reasoning and also recommended the deletion of the AA in Psychology Program.

Upon assessment of the program review which included the recommendations of both the division and the Dean of Instruction, the Faculty Senate Curriculum Committee agreed. In "a unanimous decision, and after carefully examining the material submitted, . . the Committee decided to recommend discontinuing the Associate of Arts degree program in Psychology."

Because of a transition in faculty personnel and the pending hiring of new faculty for a more modest psychology curriculum, the division does not recommend a teach out of the current program, but instead to encourage students that are currently enrolled to transfer to the Associate of Arts in Liberal Arts program, or make arrangements for minimal course substitutions. The Faculty Senate Curriculum Committee has also endorsed these recommendations.

Form C (degree/program changes) is now processed online, and the official physical routing slip that accompanies it has been sent to you for your signature. Since we are requesting the deletion and not creation of a degree program, some parts of the form do not apply. This "Routing Slip for Curricular Changes" along with the online form C within the UNM system together constitute the official process.

Program Review for the Associate of Arts in Psychology Degree

Arts and Sciences Division

University of New Mexico, Gallup

September, 2015

We have been offering at least five sections of Psych 105 (Introduction to Psychology) and three sections of Psych 220 (Developmental Psychology) each semester with a combined average of three hundred students. Psych 200 (Statistical Principles) and Psych 271 (Social Psychology) have been popular as intermittently offered courses, with Psych 240 (Brain and Behavior), Psych 260 (Learning and Memory), and 265 (Cognitive Psychology) constituting other occasionally offered courses that fall under UNM bachelor degree expectations. Beyond these basic courses, we have also offered numerous sections of Psych 211 (applied Psychology), and Psych 230 (Adjustment and Interpersonal Relationships), which are requirements for a number of Associate of Applied Sciences programs along with Psych 231 (Psychology of Human Sexuality) in the last five years.

In the service of this degree, the Arts and Sciences division has encumbered the staffing of two full-time faculty with extensive support from an adjunct faculty member who has typically contributed by teaching three courses a semester. At full staffing and a carefully outlined sequencing of course offerings, the 64 credit-hour associate's degree has been difficult to navigate within a prospective two year time frame for most students. Compounding this situation have been the reduction in course offerings in the past two years by both full-time Psychology faculty as they have been moving toward retirement, and the recent loss of our senior faculty member which has necessitated shifting our regular adjunct into the role of visiting faculty with a 5-5 teaching load. Thirteen course offerings per semester have thus dropped to only nine because of a failure to find alternative qualified adjunct faculty. This is making progress towards graduation more difficult for students attempting to earn this degree, particularly by creating holes in the course sequencing.

Analysis of our current Associate of Arts in Psychology degree program includes the following:

1. Psychology is a proven valuable and important field for our students and community given the role of these courses in general education, in key preparation for our nursing, education and other health careers programs, and the potential for area students to acquire further training through UNM Extended University and Western New Mexico University at Gallup's education center in areas such as counseling and social work.
2. The AA program as a first step toward transfer to four-year institutions and future attainment of bachelor's degree seems to have been a modest success. However, the current requirements and course sequencing result in many students being unable to complete the degree within two years.
3. The division has committed two and a half faculty lines to Psychology although it provides only a single UNM core course (Psych 150). Other equally effective fields such as Sociology and Anthropology have only a single faculty line each.

Report to the Dean & Faculty Senate: Associate of Arts, Psychology

Matthew D. Mingus
Faculty Senate Curriculum Committee Chair

The University of New Mexico – Gallup's Associate of Arts degree program in Psychology was recently reviewed at the 14 November 2015 meeting of the Faculty Senate Curriculum Committee. In a unanimous decision, and after carefully examining the material submitted by the Division of Arts & Sciences, **the Committee decided to recommend discontinuing the Associate of Arts degree program in Psychology.**

While the committee ultimately decided to recommend discontinuing the Psychology AA degree, it should be noted that the program review document was relatively well-written and complete. The one concern committee members had was the lack of an adequate assessment plan. For more detailed information concerning the Committee's evaluation of the submitted materials, please contact the Dean's office and request a summary of our compiled rubric sheets regarding this program.

It is undeniable that the Psychology AA degree has done an excellent job of preparing a small cohort of students for transfer to other institutions (most notably, the "American Indians into Psychology" program at Oklahoma State University). The committee also wanted to recognize the valuable commitment and dedication of Dr. Stephen Buggie and Mr. Ralph Casebolt in maintaining this program over the past decade. However, the committee is convinced that the current Associate's degree in Psychology is unsustainable and fails to meet the needs of the majority of our students. As it stands now, the Psychology AA is offered only within a very strict rotation of coursework – a rotation that can easily be disrupted by the loss/retirement of faculty. In order to maintain this rotation and consistently offer 200-level classes, current Psychology faculty heavily overload their survey courses (a practice that the committee both frowns upon and cannot expect from incoming faculty hires). Graduation rates are relatively low, and the committee is not convinced that students are employable with only a two-year degree in Psychology.

While the Committee believes that coursework in Psychology (including occassional 200-level coursework) is incredibly valuable to our students and our community, we also believe that the majority of liberal arts offerings at UNM-G should primarily focus on helping students complete their "core" academic requirements. The committee would prefer to see Psychology added as a "concentration" within the larger and more flexible Associate of Arts degree in Liberal Arts. Therefore, we recommend an immediate "teach out" of the program.

Matthew D. Mingus
Assistant Professor of History
Faculty Senate Curriculum Committee Chair

The Associates pf Arts Degree in Psychology is designed to pursue a Bachelor's Degree in Psychology. In meeting the requirements of this degree, students will be able to transfer to a four-year college having met normal General Education/Core Curriculum requirements as well as lower division requirements for a Bachelor's degree in Psychology. The requirements below are based on those of the Bachelor of Arts or Science Degree at the University of New Mexico.

GENERAL EDUCATION REQUIREMENTS (37):

Communications (9):

ENGL 110: Comp I – Exposition (3)
ENGL 120: Comp II – Analysis & Argument (3)
Additional Course – refer to UNM Core Curriculum (3)

Fine Arts (3):
For required courses, refer to UNM Core Curriculum

Humanities (6):
For required courses, refer to UNM Core Curriculum

Mathematics (3):
For required courses, refer to UNM Core Curriculum

Physical & Natural Sciences (7):
For required courses, refer to UNM Core Curriculum

Second Language (3):
For required courses, refer to UNM Core Curriculum

Social and Behavioral Sciences (6):
For required courses, refer to UNM Core Curriculum

PSYCHOLOGY (18):
PSY 105: General Psychology
PSY 200: Statistical Principles
Choose four courses from the following (12):
PSY 220, 240, 260, 265, 271.

Electives (9):
Electives may be chosen from other Psychology 200 level courses listed under Core Curriculum requirements

TOTAL CREDIT HOURS: 64 CREDIT HOURS

The Associate of Arts Degree in Liberal Arts is designed to provide the first two years of study for the student who plans to pursue a Bachelor's Degree in a liberal arts field. Upon completion of the degree with a concentration in Psychology, a student should have broad introductory courses to satisfy the General Education requirements of most four-year institutions and be accepted into the Psychology department.

Writing and Speaking (9 Credit Hours)

ENGL 110: Accelerated Composition (3)
ENGL 120: Composition III (3)
ENGL 219, ENGL 220, C&J 130, or PHIL 156 (3)

Mathematics and Statistics (6 Credit Hours)
Any two (2) courses from the Mathematics Core Curriculum

Physical and Natural Sciences (7-8 Credit Hours)
Any two (2) courses (one including a 1 credit lab) from the Physical and Natural Sciences Core Curriculum

Social and Behavioral Sciences (6 Credit Hours)
Any two (2) courses from the Social and Behavioral Sciences Core Curriculum excluding Psychology

Psychology (12 Credit Hours)
PSY 105: General Psychology
PSY 200: Statistical Principles
Any two additional Psychology Courses

Humanities (9 Credit Hours)
Any three (3) courses from the Humanities Core Curriculum

Fine Arts (6 Credit Hours)
Any two (2) courses form the Fine Arts Core Curriculum

Foreign Language (3 Credit Hours)
Any course from the Foreign Language Core Curriculum

Academic Support (1 Credit Hours)
UNIV 102: Topics: Academic Foundations (1)

TOTAL CREDIT HOURS: 59-60 CREDIT HOURS

Currently, there are students enrolled in the Pre-Professional Elementary Education Program. There is a teach-out program. Students will continue in the program until such time as the new Elementary Education Program is adopted. Those students still enrolled in the Pre-Professional Program at that time, will continue to take courses needed. All courses for the Pre Professional Program will continue to be offered, the majority of which are core courses with two Early Childhood Multicultural Education courses. The final date for teach out is scheduled through the Fall Semester of 2019.

Justification for Deletion of the Certificate in Pre-Professional Health Sciences

The Certificate in Pre-Professional Health Sciences at UNM-Los Alamos is being deleted. The current program is advertised to move students into the Associate's degree in Pre-Professional Health but does not offer any other benefit. It does not lead to employment and with the additional certificates in EMS, CNA, and PCA which are workforce entry certificates, this program is out of date. Additionally, students interested in the AS in Pre-Professional Health should enroll straight into the degree program. Additionally, we currently have no enrollment in the certificate program; we see no need to continue the certificate program.

CERTIFICATE

Pre-Professional Health Sciences

This certificate is designed as a core program for students who plan to major in a health science. It represents completion of a course of studies that form basis for additional course work leading to an associate degree in nursing (RN) or in other health sciences fields.

PROGRAM UNDER REVIEW

CHECK WITH ADVISOR FOR FUTHER INFORMATION

---

35 total credit hours with minimum C (not C-) grade or better in all courses and overall grade 2.5 or higher.

WRITING AND SPEAKING (3 CREDIT HOURS)

- Ⓒ ENGL 110: Accelerated Composition (3) *or* ENGL 112: Composition II (3) *or* ENGL 113: Enhanced Composition (3)

PHYSICAL/NATURAL SCIENCES (20 CREDIT HOURS)

- Ⓒ BIOL 123: Biology for Health-Related Sciences and Non-Majors (3)
- Ⓒ BIOL 124L: Biology for Health-Related Sciences and Non-Majors Lab (1)
- Ⓒ CHEM 111L: Elements of General Chemistry (4)
- Ⓒ BIOL 227L: Human Anatomy and Physiology Laboratory I (1)
- Ⓒ BIOL 228L: Human Anatomy and Physiology Laboratory II (1)
- Ⓒ BIOL 237: Human Anatomy and Physiology I for the Health Sciences (3)
- Ⓒ BIOL 238: Human Anatomy and Physiology II for the Health Sciences (3)
- Ⓒ BIOL 239L: Microbiology for Health Sciences and Non-Majors (4)

MATHEMATICS (3 CREDIT HOURS)

- Ⓒ MATH 120: Intermediate Algebra (3) *or* (MATH 101, 102, and 103: Intermediate Algebra I, II, III)

SOCIAL AND BEHAVIORAL SCIENCES (6 CREDIT HOURS)

- Ⓒ PSY 105: General Psychology (3)
- Ⓒ PSY 220: Developmental Psychology (3)

NUTRITION (3 CREDIT HOURS)

- Ⓒ NUTR 244: Human Nutrition (3)

TOTAL CREDIT HOURS   35 CREDIT HOURS

Long-term planning and budgetary impact

There is no budgetary impact caused by the deletion of this degree. No full-time or part-time instructor will lose employment as a result of the deletion of this degree program.

Memorandum

To: Dr. Sharon Hurley, Dean of Instruction

From: Dennis Davies-Wilson, Library Director

Date: October 23, 2017

Re: Deletion of Certificate in Pre-Professional Health Sciences Form C

The proposed certificate program deletion will not negatively impact the library.

UNM-Los Alamos
Certificate Program Deletion Proposal

Certificate in Pre-Professional Health Sciences - Delete

The UNM-Los Alamos Curriculum Committee has approved the deletion of the certificate program above.

Dennis Davies-Wilson 10-26-17

Dennis Davies-Wilson, Chair   Date

DEGREE/PROGRAM CHANGE
FORM C
Form Number: C2122

Fields marked with * are required

Name of Initiator: Catherine Osborn   **Email:** cosborn@unm.edu   **Phone Number:** 505 277-0194   **Date:** 10-26-2017

Associated Forms exist? No ▼   Initiator's Title Coord,Education Support: Anthropology Department

Faculty Contact Suzanne Oakdale   Administrative Contact Catherine Osborn
Department Anthropology   Admin Email cosborn@unm.edu
Branch Main   Admin Phone 2770194

Proposed effective term
Semester Spring ▼ Year 2018 ▼

Course Information

Select Appropriate Program Undergraduate Degree Program ▼

Name of New or Existing Program BS Anthropology concentration: Ethnology/Linguistics (delete)

Select Category Concentration ▼ Degree Type

Select Action Deletion ▼

Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.
See current catalog for format within the respective college (upload a doc/pdf file)

☐ **Does this change affect other departmental program/branch campuses? If yes, indicate below.**

Reason(s) for Request (enter text below or upload a doc/pdf file)
There should never have been a BS with the Ethnology concentration. It should be deleted from the catalog. Thank you to the Registrar's office for noting the error

Upload a document that inlcudes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications.(upload a doc/pdf file)

☐ **Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.**

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)

To: Dean Laura Musselwhite, UNM-Valencia

From. Dr. Pamela Cheek
Interim Associate Provost for Curriculum and Assessment

Re: UNM-Valencia, Stackable Certificate in Networking and Linux Certification

Date: October 31, 2017

The UNM-Valencia proposal for a Stackable Certificate in Networking and Linux Certification addresses student needs and targets an employment opportunity that is meaningful in the immediate area of UNM-Valencia. The initial proposal addresses content, evaluation, resources and assessment appropriately. I am happy to see this proposal move forward in the review process and believe that the stackable certificate represents an intelligent design approach.

Thank you for the well thought out proposal.

Sincerely,

Pamela Cheek

Interim Associate Provost for Curriculum & Assessment

Office of the Provost and Executive Vice President for Academic Affairs
MSC05 3400
1 University of New Mexico
Albuquerque, NM 87131-0001
505.277.2611

NEW CERTIFICATE PROGRAM
EXECUTIVE SUMMARY
UNM-Valencia, Stackable Certificate in Networking and Linux Certification

Executive Summary
Please see below for a brief summary of the elements listed for the full proposal, namely:
program description, evidence of need, program content, evaluation and assessment, required
resources, and projected enrollment and costs.

1. **Program Description**
    The concept of a stackable certificate is that it is a credential with a limited number of
    credit hours that provides a specific skill set to students. A student will build his or her
    knowledge through achievement of these certificates that get the student closer and closer
    to his or her associate's degree. UNM-Valencia regularly meets with employers in our
    service area to assess workforce needs, and our Information Technology faculty have
    been in contact with local technology companies (specifically, in this case, the Facebook
    data center that is being built in Los Lunas) to determine what would most benefit our
    students who are attempting to find employment in this sector. The certificate program in
    Networking and Linux Certification is fifteen credit hours in length, and prepares
    students for Cisco's ICND 1 and RedHat's RHCSA (RedHat Cerified System
    Administrator) certification exams. This certification prepares students for a career in
    networked-enterprise businesses like Facebook. The certificate program in Networking
    and Linux Certification could be offered beginning as early as fall 2018. All of the
    courses already exist in the UNM catalog, and are a part of UNM Valencia's current
    Information Technology Associate of Applied Science degree.

2. **Evidence of Need**
    UNM-Valencia is proud to respond to this need and provide programs that can help
    students attain the credentials they need to enter a highly technical workforce. As a rural,
    poor county, Valencia needs employment opportunities that will provide a living wage to
    its residents. That is what Facebook and other new companies in the county represent.
    Valencia County's unemployment rate for 2016 was 7.2%, above the statewide rate of
    6.7%.

Annual wages in the computing industry range from entry level of $33,180 to $65,180 for experienced network support specialists, to entry level of $73,750 to $126,890 for experienced information security analysts. The options are numerous and typically high paying with high growth potential.

3. **Program Content and Quality**
    The curriculum for the certificate in Networking and Linux Certification consists of the following courses that total 15 credit hours:

IT 125 Microcomputer Operating Systems	3 credit hours
IT 230 Computer Networking	4 credit hours
IT 293 Topics II/Cisco Concentration	4 credit hours
IT 293 Topics II/RedHat Concentration	4 credit hours

    Technical competencies will include the ability to: recognize the components of a microcomputer operating system; identify the characteristics of different types of networks; use network devices; configure network adapters; define the role of clients on a network; troubleshoot networking issues; and navigate the Cisco and RedHat computer environments. Students will also be able to sit for industry credentialing exams.

4. **Evaluation and Assessment**
    In order to measure that students have learned the competencies required to gain employment in the field, they will be required to adhere to specified attendance policies; they will complete homework assignments on time, and they will be graded on skills and exams. They must demonstrate practical skills in a safe, independent and professional manner, supervised by an instructor. They must demonstrate knowledge according to standards and practices in the field. Students will demonstrate their skills through the industry credentialing exam as well. Furthermore, we will rely on our Information Technology Advisory Council to help in ongoing evaluation of program effectiveness. As with all UNM-Valencia programs and courses, the certificate in Networking and Linux Certification will be subject to an annual assessment cycle of student learning outcomes evaluation.

5. **Required Resources**
    UNM policies for faculty workload will be followed. All of the courses in this program will be taught by our two existing Information Technology instructors. No additional faculty resources will be required. UNM Valencia currently has the equipment and technological resources to carry out this program.

6. **Projected Enrollment and Costs**
    There are currently twenty-five Information Technology majors at UNM-Valencia. Only a subset of those students will likely take advantage of this certificate. No additional strain on the current faculty is expected. There will be no additional costs to UNM-Valencia for instruction or equipment. The cost for the program to the student would be $1,128.75 for tuition (fifteen credit hours at the current UNM-Valencia tuition rate of $75.25 per credit hour plus fees to be determined).

UNM-Valencia Campus
Business, Technology & Fine Art
Information Technology
Proposed Certificate
Alexa Wheeler, Chair
James Hart, Faculty

updated: 10-3-2017

Certificate in Networking and Linux:

Networking and Linux Certification.

On completion students will be prepared for Cisco's CCNA and RedHat's RHCT certification exams.

Courses:

IT 125	Microcomputer Operating Systems:	3 hrs.
IT 230	Computer Networking:	4 hrs.
IT 293	Topics II / Cisco Concentration:	4 hrs.
IT 293	Topics II / RedHat Concentration:	4 hrs.
Total		15 hrs.

To: Dean Laura Musselwhite, UNM-Valencia

From. Dr. Pamela Cheek
Interim Associate Provost for Curriculum and Assessment

Re: UNM-Valencia, AAS in Manufacturing and Industrial Technology

Date: October 31, 2017

The AAS in Manufacturing and Industrial Technology appears consistent with the UNM-Valencia Strategic Plan and directly useful to the community. Costs associated with the degree will be offset by Keter Plastics, which is invested in opportunities for its employees to receive the Associate's degree. I authorize movement forward on this proposal and encourage UNM-Valencia to include comparison with comparable programs or coursework among UNM branch campuses in the enhanced proposal.

Thank you for the well thought out proposal.

Sincerely,

Pamela Cheek

Interim Associate Provost for Curriculum & Assessment

THE UNIVERSITY *of* NEW MEXICO
New Mexico's Flagship University

Office of the Provost and Executive Vice President for Academic Affairs
MSC05 3400
1 University of New Mexico
Albuquerque, NM 87131-0001
505.277.2611

NEW ASSOCIATE OF APPLIED SCIENCE PROGRAM
PRELIMINARY REVIEW AND PROPOSAL OUTLINE
UNM-Valencia, AAS in Manufacturing and Industrial Technology

Executive Summary
Please see below for a brief summary of the elements listed for the full proposal, namely: program description, evidence of need, program content, evaluation and assessment, required resources, and projected enrollment and costs.

1. **Program Description**
   An Associate of Applied Science in Manufacturing and Industrial Technology should be offered in response to need expressed from local employers in the community. UNM-Valencia regularly meets with employers in our service area to assess workforce needs, and we have a specific request from a new local manufacturer (Keter Plastics) to create an associate degree program for their workers. It is important to this company that they provide a mechanism through which their new hires can earn an associate's degree. We anticipate that success in this program will lead to similar requests from other local companies. The major goal of the program is to fulfill this need with competencies in safety, machining and tooling, product planning and distribution, mechatronics, basic electronics, and basic welding. In addition, students will be required to complete academic core courses totally 16 credit hours, which include MATH 115 (Technical Mathematics), plus composition, science, humanities or social sciences, and fine arts. The Associate of Applied Science in Manufacturing and Industrial Technology program could be offered beginning as early as fall 2018.

2. Evidence of Need
   It is gratifying that an industry and community partner has sought to increase the skill-level of their workers through higher education. UNM-Valencia is proud to respond to this need and provide such an associate of applied science degree. As a rural, poor county, Valencia needs employment opportunities that will provide a living wage to its residents. That is what Keter Plastics and the other new manufacturers in the county represent. Valencia County's unemployment rate for 2016 was 7.2%, above the statewide rate of 6.7%.

3. **Program Content and Quality**

   The curriculum for the Associate of Applied Science in Manufacturing and Industrial Technology consists of the following courses that total 65 credit hours:

   General Education Core Courses (**16 credit hours**)

   Manufacturing and Industrial Technology Core Courses (**43 credit hours**)

   Electives (choose 2 courses for **6 credit hours**)

   Technical competencies will include the ability to: operate safety equipment and use safe work habits; understand the basic tenets of manufacturing; recognize, set up, and operate hand and power tools common to the welding trade, such as shielded metal arc and gas metal arc welding equipment; diagnose and repair mechatronic systems; understand basic electric and fluid power systems; and conduct machine maintenance.

4. **Evaluation and Assessment**

   In order to measure that students have learned the competencies required to gain employment in the field, they will be required to adhere to specified attendance policies; they will complete homework assignments on time, and they will be graded on skills and exams. They must demonstrate practical skills in a safe, independent and professional manner, supervised by an instructor. Students will demonstrate their skills through the industry credentialing exams as well. Furthermore, we will rely on our Manufacturing Advisory Council to help in ongoing evaluation of program effectiveness. As with all UNM-Valencia programs and courses, the Associate of Applied Science in Manufacturing and Industrial Technology will be subject to an annual assessment cycle of student learning outcomes evaluation.

5. **Required Resources**

   UNM policies for faculty workload will be followed. Qualified adjunct faculty will be hired to teach those courses. Because the program will start small, there is no plan to hire a full-time faculty member. Most of the classes will be conducted in a traditional manner, using textbooks. Course materials will be paid for through course fees. During the internship courses, work will be conducted onsite at the manufacturing facility, supervised by an instructor and internship coordinator from the facility.

6. **Projected Enrollment and Costs**

   We anticipate, based on estimates from Keter Plastics, that enrollment in the program will be ten students to start, then twenty the following year, and forty the following year. Thus, the program should remain relatively small and focused, utilizing adjunct faculty for instruction. The cost for the program to the student/company would be $4,665.50 for tuition (sixty-two credit hours at the current UNM-Valencia tuition rate of $75.25 per credit hour plus fees to be determined).

To: Dean Laura Musselwhite, UNM-Valencia

From. Dr. Pamela Cheek
Interim Associate Provost for Curriculum and Assessment

Re: UNM-Valencia, Stackable Certificate in Personal Computer Operating Systems and Repair

Date: October 31, 2017

The UNM-Valencia proposal for a Stackable Certificate in Personal Computer Operating Systems and Repair addresses student needs and targets an employment opportunity that is meaningful in the immediate area of UNM-Valencia. The initial proposal addresses content, evaluation, resources and assessment appropriately. I am happy to see this proposal move forward in the review process and think that the stackable certificate represents an intelligent design approach.

Thank you for the well thought out proposal.

Sincerely,

Pamela Cheek

Interim Associate Provost for Curriculum & Assessment

Office of the Provost and Executive Vice President for Academic Affairs
MSC05 3400
1 University of New Mexico
Albuquerque, NM 87131-0001
505.277.2611

NEW CERTIFICATE PROGRAM
EXECUTIVE SUMMARY
UNM-Valencia, Stackable Certificate in Personal Computer Operating Systems and Repair

Executive Summary

Please see below for a brief summary of the elements listed for the full proposal, namely: program description, evidence of need, program content, evaluation and assessment, required resources, and projected enrollment and costs.

1. **Program Description**

   The concept of a stackable certificate is that it is a credential with a limited number of credit hours that provides a specific skill set to students. A student will build his or her knowledge through achievement of these certificates that get the student closer and closer to his or her associate's degree. UNM-Valencia regularly meets with employers in our service area to assess workforce needs, and our Information Technology faculty have been in contact with local technology companies (specifically, in this case, the Facebook data center that is being built in Los Lunas) to determine what would most benefit our students who are attempting to find employment in this sector. The certificate program in Personal Computer Operating Systems and Repair is ten credit hours in length, and prepares students for the CompTia A+ certification exams. This certification prepares students to understand and be able to repair computer hardware and operating systems. The certificate program in Personal Computer Operating Systems and Repair could be offered beginning as early as fall 2018. All of the courses already exist in the UNM catalog, and are a part of UNM Valencia's current Information Technology Associate of Applied Science degree.

2. Evidence of Need

   UNM-Valencia is proud to respond to this need and provide programs that can help students attain the credentials they need to enter a highly technical workforce. As a rural, poor county, Valencia needs employment opportunities that will provide a living wage to its residents. That is what Facebook and other new companies in the county represent. Valencia County's unemployment rate for 2016 was 7.2%, above the statewide rate of 6.7%.

Annual wages in the computing industry range from entry level of $33,180 to $65,180 for experienced network support specialists, to entry level of $73,750 to $126,890 for experienced information security analysts. The options are numerous and typically high paying with high growth potential.

3. **Program Content and Quality**
   The curriculum for the certificate in Personal Computer Operating Systems and Repair consists of the following courses that total 10 credit hours:

IT 125 Microcomputer Operating Systems	3 credit hours
IT 131 Introduction to Hardware Installation	3 credit hours
IT 293 Topics II/Hardware and Software	4 credit hours

   Technical competencies will include the ability to: recognize the components of a microcomputer operating system; install and troubleshoot hardware; install and troubleshoot software; carry out standard safety protocols; and provide successful customer service. Students will also be able to sit for industry credentialing exams.

4. **Evaluation and Assessment**
   In order to measure that students have learned the competencies required to gain employment in the field, they will be required to adhere to specified attendance policies; they will complete homework assignments on time, and they will be graded on skills and exams. They must demonstrate practical skills in a safe, independent and professional manner, supervised by an instructor. They must demonstrate knowledge according to standards and practices in the field. Students will demonstrate their skills through the industry credentialing exam as well. Furthermore, we will rely on our Information Technology Advisory Council to help in ongoing evaluation of program effectiveness. As with all UNM-Valencia programs and courses, the certificate in Personal Computer Operating Systems and Repair will be subject to an annual assessment cycle of student learning outcomes evaluation.

5. **Required Resources**
   UNM policies for faculty workload will be followed. All of the courses in this program will be taught by our two existing Information Technology instructors. No additional faculty resources will be required. UNM Valencia currently has the equipment and technological resources to carry out this program.

6. **Projected Enrollment and Costs**
   There are currently twenty-five Information Technology majors at UNM-Valencia. Only a subset of those students will likely take advantage of this certificate. No additional strain on the current faculty is expected. There will be no additional costs to UNM-Valencia for instruction or equipment. The cost for the program to the student would be $752.50 for tuition (ten credit hours at the current UNM-Valencia tuition rate of $75.25 per credit hour plus fees to be determined).

To: Dean Laura Musselwhite, UNM-Valencia

From. Dr. Pamela Cheek
Interim Associate Provost for Curriculum and Assessment

Re: UNM-Valencia, Stackable Certificate in VMware Certification

Date: October 31, 2017

The UNM-Valencia proposal for a Stackable Certificate in VMware Certification addresses student needs and targets an employment opportunity that is meaningful in the immediate area of UNM-Valencia. The initial proposal addresses content, evaluation, resources and assessment appropriately. I am happy to see this proposal move forward in the review process and believe that the stackable certificate represents an intelligent design approach.

Thank you for the well thought out proposal.

Sincerely,

Pamela Cheek

Interim Associate Provost for Curriculum & Assessment

Office of the Provost and Executive Vice President for Academic Affairs
MSC05 3400
1 University of New Mexico
Albuquerque, NM 87131-0001
505.277.2611

NEW CERTIFICATE PROGRAM
EXECUTIVE SUMMARY
UNM-Valencia, Stackable Certificate in VMware Certification

Executive Summary

Please see below for a brief summary of the elements listed for the full proposal, namely: program description, evidence of need, program content, evaluation and assessment, required resources, and projected enrollment and costs.

1. **Program Description**
   The concept of a stackable certificate is that it is a credential with a limited number of credit hours that provides a specific skill set to students. A student will build his or her knowledge through achievement of these certificates that get the student closer and closer to his or her associate's degree. UNM-Valencia regularly meets with employers in our service area to assess workforce needs, and our Information Technology faculty have been in contact with local technology companies (specifically, in this case, the Facebook data center that is being built in Los Lunas) to determine what would most benefit our students who are attempting to find employment in this sector. The certificate program in VMware Certification is eleven credit hours in length, and prepares students for the VCP (VMware Certified Professional) certification exam. This certification prepares students for a career in virtualization environments used in businesses like Facebook. The certificate program in VMware Certification could be offered beginning as early as fall 2018. All of the courses already exist in the UNM catalog, and are a part of UNM Valencia's current Information Technology Associate of Applied Science degree.

2. **Evidence of Need**
   UNM-Valencia is proud to respond to this need and provide programs that can help students attain the credentials they need to enter a highly technical workforce. As a rural, poor county, Valencia needs employment opportunities that will provide a living wage to its residents. That is what Facebook and other new companies in the county represent. Valencia County's unemployment rate for 2016 was 7.2%, above the statewide rate of 6.7%.

Annual wages in the computing industry range from entry level of $33,180 to $65,180 for experienced network support specialists, to entry level of $73,750 to $126,890 for experienced information security analysts. The options are numerous and typically high paying with high growth potential.

3. **Program Content and Quality**
   The curriculum for the certificate in VMware Certification consists of the following courses that total 11 credit hours:

IT 125 Microcomputer Operating Systems	3 credit hours
IT 230 Computer Networking	4 credit hours
IT 293 Topics II/Virtualization in VMware	4 credit hours

   Technical competencies will include the ability to: recognize the components of a microcomputer operating system; identify the characteristics of different types of networks; use network devices; configure network adapters; define the role of clients on a network; troubleshoot networking issues; and navigate the VMware software environment. Students will also be able to sit for an industry credentialing exam.

4. **Evaluation and Assessment**
   In order to measure that students have learned the competencies required to gain employment in the field, they will be required to adhere to specified attendance policies; they will complete homework assignments on time, and they will be graded on skills and exams. They must demonstrate practical skills in a safe, independent and professional manner, supervised by an instructor. They must demonstrate knowledge according to standards and practices in the field. Students will demonstrate their skills through the industry credentialing exam as well. Furthermore, we will rely on our Information Technology Advisory Council to help in ongoing evaluation of program effectiveness. As with all UNM-Valencia programs and courses, the certificate in VMware will be subject to an annual assessment cycle of student learning outcomes evaluation.

5. **Required Resources**
   UNM policies for faculty workload will be followed. All of the courses in this program will be taught by our two existing Information Technology instructors. No additional faculty resources will be required. UNM Valencia currently has the equipment and technological resources to carry out this program.

6. **Projected Enrollment and Costs**
   There are currently twenty-five Information Technology majors at UNM-Valencia. Only a subset of those students will likely take advantage of this certificate. No additional strain on the current faculty is expected. There will be no additional costs to UNM-Valencia for instruction or equipment. The cost for the program to the student would be $827.75 for tuition (eleven credit hours at the current UNM-Valencia tuition rate of $75.25 per credit hour plus fees to be determined).

UNM-Valencia Campus
Business, Technology & Fine Art
Information Technology
Proposed Certificate
Alexa Wheeler, Chair
James Hart, Faculty

updated: 10-3-2017

Certificate in VMware

VMware Certification.

On completion students will be prepared to configure virtual machines in a network environment. Prepares Student for VCA-NV (VMware Certified Associate)

Courses:

IT 125 Microcomputer Operating Systems:	3 hrs.
IT 230 Computer Networking:	4 hrs.
IT 293 Topics II / Virtualization in VMware:	4 hrs.
Total	11 hrs.

UNM-GALLUP BRANCH NEW ASSOCIATE OF SCIENCE IN ELEMENTARY TEACHER EDUCATION PROPOSAL

Executive Summary

Program Description

The creation of the new AS Elementary Teacher Education degree program will be structured to where it can articulate with the University of New Mexico Bachelor of Science Degree in Elementary Education. The current program is presently referred to as the UNM-Gallup Pre-professional Elementary Program, which does not align with the UNM Elementary Teacher Education Bachelor of Science Degree. Therefore, the new AS Elementary Teacher Education degree will satisfy alignment with the UNM Bachelor's degree. The proposed UNM-Gallup AS Elementary Teacher Education students will declare a concentration in one of the following: Language Arts, Science, Math, or Social Studies. Students will be required to complete 12-13 electives in the chosen concentration field transferable to the UNM Bachelor of Science Degree in Elementary Education.

The proposed Associate of Science degree in Elementary Teacher Education will corresponds with UNM-Gallup Branch mission by meeting and pursuing a program in a learner-centered institution. The proposed program will also demonstrate UNM-Gallup's responsiveness to student needs and the community it serves. Moreover, the proposed meets the UNM College of Education vision of Excellence and Diversity through People, Ideas, and Innovation. Finally, it complements the UNM College of Education mission of: *Educational Excellence through Diversity; Relationships; Ideas; and Discovery*, while encouraging students to contribute to planned growth in the area cognizant of a need for increasing the number of teachers in the region.

Evidence of Need

The Gallup and surrounding areas are supported by at least 37 public, private, BIE, and charter schools with a total student population of 12,620 (2017 count). This degree would prepare students representing rich and diverse, multicultural ethnicities of Gallup and surrounding communities in providing children with quality education. An Associate of Science degree in Elementary Teacher Education will meet the needs of Gallup and surrounding communities by offering a pathway for students aspiring to become teachers by empowering them to become professional educators.

There is a severe shortage of teachers in the Gallup-McKinley County area that results in many teaching positions going unfilled every year. UNM-Gallup attempts to address this shortage through the addition of the proposed Associate of Science in Elementary Teacher Education. As of September 2017, current openings for Gallup McKinley County Schools stand at 11 Elementary teaching positions and 15 Secondary teaching positions going unfilled.

A UNM-Gallup Education Professor in Education provides the following statement:

> The teacher shortage in the northwestern part of New Mexico is quite obvious. Due to the lack of qualified teachers, many schools have no recourse other than to fill the vacancies with long-term substitute teachers. Many of these individuals are often placed in classrooms in which they lack the necessary content knowledge to provide quality instruction.

UNM-GALLUP BRANCH NEW ASSOCIATE OF SCIENCE IN ELEMENTARY TEACHER EDUCATION PROPOSAL

Currently there are seven vacancies at the elementary level and fourteen at the secondary level. This information has been taken from the Gallup-McKinley Public Schools website. The number of vacancies reflects only those advertised for one school district and does not include the vacancies in the B.I.A. schools.

The need for such programs is apparent. In order to provide quality instruction for students who currently have long-term substitutes as teachers, it is crucial that UNM-Gallup continue to offer Associate of Arts and Associate of Science degrees in education.

Required Resources

All courses included in the revised Associate of Science degree in Elementary Teacher Education are currently being offered at the UNM- Gallup Branch, with the exception of a Social Science course, LING 101, which will be covered by the current faculty. Full-time and Part-time faculty and technology needs will not change. Additional space is not needed. Student Services will be impacted only with a new pathway to offer within the Arts and Sciences Division at UNM-Gallup.

Evaluation and Assessment

The program learning outcomes will be measured by grades, course evaluations, student coursework performances, analysis of student works (exams, essays, oral presentations, and teacher lesson plans), graduation rates, and the number of students progressing to advanced degrees. UNM's Bachelor of Science in Education (B.S.Ed.) in Elementary Education, leading to teacher licensure in elementary schools and middle schools (grades K-8), along with specialty areas in 4 concentration-teaching fields: Language Arts, Mathematics, Science, and Social Studies, will produce reputable teachers in the region. The program will strive to prepare the very best entry-level teachers for all of New Mexico's children; such preparation is enriched by the diverse, contrastive linguistic and cultural communities of the region. The program also takes advantage of the many professional partnerships that the College holds with area school districts and their teaching faculties.

Projected Enrollment and Cost

Current faculty here at UNM-Gallup can offer these courses with no additional hire. Projected enrollment will consist of the present number of at least 25 students per class, and will continuously rise with interest, publicity, and recruitment efforts.

Program Content and Quality

Students will demonstrate proficiency in oral and written communication.
Students will collaborate and contribute in the classroom and school.
Students will be dedicated to lifelong learning, continual growth and improvement.
Students will be capable of effective preparation, implementation, and evaluation of instruction.
Students will find purpose in educational teaching methods, creating lesson plans, aligning and understanding curriculum, instruction, and assessment.
Students learning environment will include discipline and rigor and a commitment to best efforts.

UNM-GALLUP BRANCH NEW ASSOCIATE OF ARTS IN SECONDARY TEACHER EDUCATION PROPOSAL

Executive Summary

Program Description
The creation of the new AA Secondary Teacher Education degree program will be structured to where it can articulate with the University of New Mexico Bachelor of Science Degree in Secondary Education. The current program is presently referred to as the UNM-Gallup Pre-professional Elementary Program, which does not align with the UNM Elementary Teacher Education Bachelor of Science Degree. Therefore, the new AA Elementary Teacher Education degree will satisfy alignment with the UNM Bachelor's degree. The proposed UNM-Gallup AA Secondary Teacher Education students will declare a concentration in one of the following: Language Arts, Science, Math, or Social Studies. Students will be required to complete 12-13 electives in the chosen concentration field transferable to the UNM Bachelor of Arts Degree in Secondary Education.

The proposed Associate of Arts Degree in Secondary Teacher (K-8) Education will corresponds with UNM-Gallup Branch mission by meeting and pursuing a program in a learner-centered institution. The proposed program will also demonstrate UNM-Gallup's responsiveness to student needs and the community it serves. Moreover, the proposed meets the UNM College of Education vision of Excellence and Diversity through People, Ideas, and Innovation. Finally, it complements the UNM College of Education mission of: *Educational Excellence through Diversity; Relationships; Ideas; and Discovery*, while encouraging students to contribute to planned growth in the area cognizant of a need for increasing the number of teachers in the region.

Evidence of Need
The Gallup and surrounding areas are supported by at least 37 public, private, BIE, and charter schools with a total student population of 12,620 (2017 count). This degree would prepare students representing rich and diverse, multicultural ethnicities of Gallup and surrounding communities in providing children with quality education. An Associate of Arts Degree in Secondary Teacher Education will meet the needs of Gallup and surrounding communities by offering a pathway for students aspiring to become teachers by empowering them to become professional educators.

There is a severe shortage of teachers in the Gallup-McKinley County area that results in many teaching positions going unfilled every year. UNM-Gallup attempts to address this shortage through the addition of the proposed Associate of Arts in Secondary Teacher Education. As of September 2017, current openings for Gallup McKinley County Schools stand at: 11 Secondary teaching positions and 15 Secondary teaching positions are unfilled.

A UNM-Gallup Education Professor in Education provides the following statement:
> The teacher shortage in the northwestern part of New Mexico is quite obvious. Due to the lack of qualified teachers, many schools have no recourse other than to fill the vacancies with long-term substitute teachers. Many of these individuals are often placed in classrooms in which they lack the necessary content knowledge to provide quality instruction.

Currently there are seven vacancies at the elementary level and fourteen at the secondary level. This information has been taken from the Gallup-McKinley Public Schools website. The number of vacancies reflects only those advertised for one school district and does not include the vacancies in the B.I.A. schools.

The need for such programs is apparent. In order to provide quality instruction for students who currently have long-term substitutes as teachers, it is crucial that UNM-Gallup offer Associate of Arts and Associate of Science degrees in education.

Required Resources

All courses included in the revised AS degree in Secondary Education are currently being offered at the UNM- Gallup Branch, with the exception of a Social Science course, LLSS 321, which will be covered by the current faculty. Full-time and Part-time faculty and technology needs will not change. Additional space is not needed. Student Services will be impacted only with a new pathway to offer within the Arts and Sciences Division at UNM-Gallup.

Evaluation and Assessment

The program learning outcomes will be measured by grades, course evaluations, student coursework performances, analysis of student works (exams, essays, oral presentations, and teacher lesson plans), graduation rates, and the number of students progressing to advanced degrees. UNM's Bachelor of Arts in Secondary Education (B.A.Ed.), leading to teacher licensure in Secondary schools and middle schools (grades K-8), along with specialty areas in 4 concentration-teaching fields: Language Arts, Mathematics, Science, and Social Studies, will produce reputable teachers in the region. The program will strive to prepare the very best entry-level teachers for all of New Mexico's children; such preparation is enriched by the diverse, contrastive linguistic and cultural communities of the region. The program also takes advantage of the many professional partnerships that the College holds with area school districts and their teaching faculties.

Projected Enrollment and Cost

Current faculty here at UNM-Gallup can offer these courses with no additional hire. Projected enrollment will consist of the present number of at least 25 students per class, and will continuously rise with interest, publicity, and recruitment efforts.

Program Content and Quality

Students will demonstrate proficiency in oral and written communication.
Students will collaborate and contribute in the classroom and school.
Students will be dedicated to lifelong learning, continual growth and improvement.
Students will be capable of effective preparation, implementation, and evaluation of instruction.
Students will find purpose in educational teaching methods, creating lesson plans, aligning and understanding curriculum, instruction, and assessment.
Students learning environment will include discipline and rigor and a commitment to best efforts.

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NEW CERTIFICATE/UNDERGRADUATE CERTIFICATE PROGRAM
PRELIMINARY REVIEW AND PROPOSAL OUTLINE
UNM-Taos, Community Health Certificate

Executive Summary

1. Program Description
The C-CH Program is intended to prepare current and prospective frontline public health workers with a foundational set of skills and knowledge to enable them to assist individual, families, and communities to enhance their health, access services, and improve the conditions for health, especially in underserved communities. The program meets NM Dept of Health (NM-DOH) standards for state certification of Community Health Workers (CHWs) for direct entry into the field, builds on those standards by aligning with the industry-recognized national CHW Common Core (C3), and also serves as an educational and professional gateway to associate and undergraduate degrees in community and public health ('discovery' majors).

2. Evidence of Need
CHWs have a long history of service and advocacy to the underserved, and have deep roots in the diverse communities and cultures of New Mexico. At the same time, training of this workforce has been largely informal, job-based, and fragmented topically across the full scope of practice. Increasingly, health systems and community-based organizations have integrated CHWs into their teams to serve as effective, culturally competent bridges between care systems and the communities they serve, and as providers of health and human services. Growth in demand, along with payment reform stimulated by the Affordable Care Act (ACA), has led to the steady professionalization of this workforce, leading the Bureau of Labor Statistics to establish a standard occupational classification (SOC) for CHWs in 2010. The Bureau forecasts a 25 percent growth rate for CHWs over the ten-year period from 2012 to 2022. At the same time, a national movement within higher education has emerged to build the public health workforce with certificate, associate, and undergraduate degrees that articulate with existing graduate and professional programs. (UNM has just launched a College of Population Health and related undergraduate degree this fall.) The proposed Certificate in Community Health meets those tandem needs in New Mexico, where we experience some of the worst health indicators, outcomes, and disparities in the nation.

UNM-Taos was the first college in New Mexico to design a credit-bearing, standards-based, core competency training for CHWs. We ran this pilot as a pair of special topics course courses through two fully-enrolled cohorts in 2010-2011 and 2011-2012 (enrolling many employed CHWs without formal training) to demonstrate and share around the state how a community college based training program could meet the identified needs and concerns of stakeholders in New Mexico and align with national standards. Standards built into the program are now the basis for the NM-DOH training program endorsement application released this month. In the interim period while waiting for NM-DOH to reveal the endorsement process, we have been overhauling the program design in light of focus groups, trainee evaluations, employer and CHW feedback, and the revised National CHW Common Core (C3) guidelines released in April 2016. The previous pair of two, three-credit hour courses have been redesigned into several modular courses built around discrete competency/practice clusters which we aim to launch in Fall 2017.

3. Program Content and Quality
The proposed Certificate in Community Health meets state certification standards for CHWs, as well as national standards and guidelines for training community health workers in community college environments. Courses align with

the major areas of emphasis in community and public health advanced training, careers, and practice. It is comprised of 14 credit hours of modularized courses.

HED 101 Introduction to Community Health Work (1). Basic history of and introduction to the profession, scope of practice, roles, competencies, ethics, professional conduct, certification, confidentiality and informed consent.

HED 102   Clinical Basics for Community Health Workers (1). Basic skills for working in clinical and home health settings; vital signs, blood glucose monitoring, foot exams, OSHA standards, documentation, medical terminology standing orders, first aid and Basic Life Support (BLS).

HED 103   Mental Health First Responder (1). Prepares trainees with national Mental Health First Aid certification, along with de-escalation training, as well as training in responding to overdose emergencies.

HED 201 Community Health Work: Frameworks, Principles and Practices for Direct Service (1). Introduction to Public Health, health care systems. Interpersonal and communication skills, cultural humility and competence, client-centered approaches. Standards for delivering health literate and trauma-informed care.

HED 202   Health Promotion & Health Coaching (3). Promoting healthy eating and active living (HEAL). Health coaching to support health behavior change and self-management of chronic conditions.

HED 203 Practicum in Community Health (3). Provides basic field experience for trainees new to the workforce. Cross-listed with HS250.

HED 204 Health Navigation & Service Coordination (1). Conducting client interviews, care coordination and referrals, system navigation. Health and social service programs, services, eligibility, enrollment.

HED 205   Community Health Education & Facilitation (1). Designing and delivery basic health education presentations for groups and communities.

HED 206   Community Health Outreach, Assessment & Advocacy (2). Conducting home visits and health outreach, personal safety. Methods of community health assessment. Advocating and organizing for the health-related needs of individuals, groups, and communities.

4. Evaluation and Assessment
Pilots of the program have included multiple methods of assessment, including quizzes, portfolios, and performance-based assessments (PBA) using a standardized rubric. Learners complete a comprehensive, qualitative course evaluation, along with the standard UNM IDEA evaluations. Periodic consultations with local employers provide valuable feedback.

5. Required Resources
All instructors are approved by the UNM-Taos Department of Instruction and are seasoned, advanced-practice professionals in the field. UNM-Taos adjunct faculty page policies apply. Classroom and simulation training is supported by the new UNM-Taos Health Careers Training Center facility. The UNM-Health Sciences Center's Office for Community Health provides faculty support through their Health Extension Rural Offices (HEROs); UNM-Taos hosts the UNM-HSC's northern HERO office.

6. Projected Enrollment and Costs
Previous pilots of this course enjoyed full enrollment at the cap of 15 students for this intensive training program. Feedback from those pilots suggested lowering the cap to 12 and increasing training time to allow for more skills-practice. Tuition, along with SUNPATH grant funding will cover the costs of instructors and materials. In previous pilots, a many students had their tuition paid by their employers, or were eligible for financial aid.

7. Additional Information
In addition to lending faculty to design and teach in the proposed C-CH program, the UNM-HSC HERO Offices, along with the UNM-HSC Office of Community Health CHW Initiatives, brings valuable expertise to our proposed certificate program, as well as provides technical assistance to local employers and health systems seeking to integrate CHWs and health educators into their teams.

To: Dr. Sharon Hurley, Dean of Instruction, UNM-Los Alamos

From. Dr. Pamela Cheek
Interim Associate Provost for Curriculum and Assessment

Re: UNM- Los Alamos, New Certificate Degree in Robotics

Date: October 31, 2017

Thank you for your timely proposal for a new certificate degree in Robotics at UNM-Los Alamos. I appreciated the consideration of how this certificate degree fits into your current offerings, in particular the Early College Career Academy, as well as the probable level of student interest. I am happy to offer initial approval for the certificate proposal to move forward in the review process. As you prepare a fuller proposal, it would be well to discuss whether any parallel certificates or course work exist in the other parts of the UNM system. It would also be a good idea to provide a specific discussion of the qualifications of potential faculty for the program (particularly those teaching in dual credit classes).

I appreciate your work on this and look forward to seeing how the proposal develops.

Sincerely,

Pamela Cheek

Interim Associate Provost for Curriculum & Assessment

Justification for a New Certificate Degree in Robotics
at the UNM – Los Alamos Campus

Executive Summary: The proposed certificate program in robotics is designed to provide students wishing to enter the workforce in the field of robotics with an academic certificate in the field. This certificate will allow students to enter the workforce after only one year of university level courses (30 credit hours). This certificate will also allow students wishing to pursue additional coursework to ladder their credentials and pursue an Associate's degree in Robotics or Electro-mechanical technician programs, as many of the required courses are prerequisites for the classes needed to obtain an Associate's degree.

Program Description: We are proposing a certificate in Robotics; a 30 credit hour program to allow students to obtain an academic credential to enter the workforce after only one year of coursework. This program aligns to UNM LA's mission to provide "innovative, rigorous, and affordable education opportunities to build essential foundations for transfer, leading-edge career programs, and life-long learning opportunities . . . "by providing a pathway for a career. Not every student is ready or desirous to obtain a full associates' or bachelors' degree. This certificate will provide an opportunity to obtain an academic credential after only one year of college for those students whose need is to enter the workforce in a more efficient time-frame. Should the student choose to stay at the University for an additional year, the program is designed to feed into the Associates of Applied Science degree in Robotics. This program aligns to UNM Los Alamos' strategic plan by helping to facilitate progress toward educational objectives (Student Excellence), and developing a program to aid in workforce development (Community Excellence). These goals align with UNM's mission to provide students with ... "knowledge and skills that they need to be enlightened citizens, to contribute to the state and national economies and to lead satisfying lives".

Evidence of Need: This program is designed to develop skills that will assist students in gaining employment in various robotics career fields. Regional and local demand for robotics technicians is growing. UNM Los Alamos currently offers an Associates of Applied Science in Robotics. However, many of our students are looking for a more direct route to the work force. A certificate program allows students to enter the workforce after just one year of coursework. Certificate holders may expect to find employment opportunities with manufacturing and industrial firms, government agencies, medical facilities, educational organizations, emergency responding agencies, security and surveillance firms, and research and development groups. This certificate program will enable students to become employable with a secure future in 21st century advanced technology jobs. This certificate program will provide students with the technical training to succeed as robotics professionals. Program content, in part, is based on 3 industrial robotics certification modules through FANUC Robotics, the world's largest manufacturer of robotic equipment and software.

UNM LA has many non-traditional students; the average age of our students is 27. Often, these students are first generation college students, trying to work full or part time while attending school; these students may not have the time or energy to devote to two years of full time course work to obtain an Associate's degree. Creating an academic certificate in this field will allow students to enter the workforce earlier and still obtain an academic credential. Adding this certificate will allow UNM LA to better serve our students and help fulfill the state initiative of increasing the number of citizens with post-secondary awards. Increasing the number of graduates with a post secondary certificate will also aid in the *Mission: Graduate Program* (goal of 60,000 additional graduates by the year 2020) [1] This certificate will provide students with options to earn a certificate and enter the workforce with a credential; this will allow for higher paying employment and reduce the need to leave the state for job opportunities. Many of our students are adults who have already earned other degrees, but who want to add the credentials that

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[1] Rick Nathanson | Journal Staff Writer. "Updated: Uptick in College Grad Rate Falls Short." *Albuquerque Journal*. N.p*.,* n.d. Web. 21 Sept. 2017

are specific to robotics. Adding this certificate program will also allow these students to obtain a certification as well. The robotics classes are some of the most popular classes on campus, with over 285 students enrolling in ELCT 162, the basic robotics class in the last six years. Recruitment for this and other programs includes visits to local and regional high schools by our recruiters and our program coordinator, Don Davis. Additionaly, Mr. Davis often attends science fest and other local and regional events used for reuiting purposes. He often takes his robots and students to these events to demonstrate the nature of what is learned in the courses.

Program Content: This is a technician certificate, focusing upon skills needed to enter the workforce in the robotics field. Program specific requirements include: a minimum of 30 credit hours with a cumulative grade point average of 2.5; at least 15 of these 30 hours must be UNM catalog credit courses taken in the UNM system; minimum grade of C (not C-) is required in each Technical Core course. Prerequisites for entering this program are limited to basic English and Math skills, measured by achievement of minimum placement scores on the ACCUPLACER or ACT or through completion of course work. Students choosing coursework over taking the Accuplacer should complete English 100 and UNIV 101 or equivalent--or place into ENGL 110 (Credit hours 4 and 3). Students choosing to take math courses over the placement tests should complete Math 099--or place into Math 100 or higher. The Robotics core courses total 21 credit hours. Courses include seven courses at 3 credit hours each: ELCT 162: Robotics; ELCT 163: Advanced Robotics; ELCT 264: Advanced Robotics II; ROBO 201: Industrial Robotics Operations; ROBO 202: Advanced Industrial Robotics; ROBO 204: Programmable Logic Controllers; ROBO 290: Robotics Synthesis. Three technical core courses are also required. DRFT 103: Introduction to Drafting; CT 111: Introduction to Computer Aided Drafting and Design; and ELCT 103: Mechanical Systems. The total credit hours for this certificate program are 39 hours.

Evaluation and Assessment: This new certificate program will be subject to an academic program review on a three-year rotating basis, along with all other programs at UNM Los Alamos. We will conduct the first review in the second year of the certificate to make initial determinations on the effectiveness of the program. Additionally, instructors in the above listed courses are asked to complete annual course assessment of their learning objectives. We will work with our Assessment coordinator, Michele Marsee, to conduct academic program assessment on this program annually.

Required Resources: Adding this program will not require additional resources from UNM Los Alamos. We currently offer the courses required for the certificate on a rotating basis. We are not adding new courses, just organizing the courses the students take to facilitate earning an academic certificate. We will utilize the same equipment and instructors in the courses as utilized in the Associate's degree. Adding this program will not increase the workload of current faculty and support staff, as we have students attending the courses. We are offering a focal point to the current array of Robotics courses in which students are enrolling. The robotics courses typically carry an additional fee of $100 per class to cover course materials. No additional costs are anticipated.

Projected Enrollment and Costs: Enrollment in the basic robotics courses has steadily increased over the years. The introductory course is offered as a dual credit class at Los Alamos High School. This provides an excellent opportunity to recruit students and increase enrollment in the certificate program. Additionally, UNM LA has partnered with Los Alamos Public Schools to participate in the Early College Career Academy. This program is designed to allow high school students to enroll in sufficient number of college classes to graduate with an academic certificate from UNM LA when they graduate from high school. This certificate could be added to the existing certificates in the ECCA program. The robotics certificate would be housed under the Applied Sciences index at UNM LA. The overall budget for Applied Sciences includes salaries for one core/continuing faculty member (Don Davis, program coordinator and Robotics instructor), one term contract faculty and adjunct faculty as needed. We have budgeted $47,000 in salaries, and another $13,700 for adjunct salaries in Applied Science. Additionally, we have a budget of $9875 for materials and supplies to be shared among the applied science courses. The overall budget for applied science department is $81,300. Robotics is a part of this department and shares the costs as needed.

Budget Analysis
Robotics Certificate Program at UNM-LA

The robotics certificate would be housed under the Applied Sciences index at UNM-Los Alamos. The overall budget for Applied Sciences includes salaries for one core/continuing faculty member, Donald Davis, Program Coordinator and Robotics Instructor. One term contract faculty and adjunct faculty, as needed. We have budgeted $47,000 in salaries and another $13,700 for adjunct salaries in Applied Science. Additionally, we have a budget of $9,875 for materials and supplies to be shared among the Applied Science courses. The overall budget for Applied Science department is $81,300. Robotics is a part of this department and shares the costs as needed.

The creation of a Robotics Certificate Program at UNMLA would have essentially no significant impact on the budget. We would be using the same equipment and materials in the same courses. It would simply give a focal point to the current array of Robotics courses.

TAB K

Enrollment Update

Terry Babbitt, Vice Provost for Enrollment & Analytics
(Presentation to be added)

COMMUNITY ENGAGEMENT INIATIVES

MONICA M. KOWAL

DIRECTOR

INSTITUTIONAL INITIATIVES

Redesigning the University: CE Task Force

CES Promotion & Tenure Policy

2020 Carnegie Community Engagement Classification

2018 Provost's Teaching Fellows

UNM Internship Inventory

Engaged Learning: Course Designation Process

PROGRAM LEVEL INITIATIVES:
OFFICE OF COMMUNITY ENGAGED LEARNING & RESEARCH

Student Programs

- Civic & Community Engagement Minor
- Lobo Gardens
- Global SL Abroad

Faculty Development

- Course Design
- Research Design
- Partnerships

Community Partners

- Faculty Collaboration
- Student Volunteers
- Capacity Building

2018 UNM Outreach Summit → 2018 UNM Engaged Faculty Institute → 2019 SENCER Summer Institute → 2019 IARSLCE Conference

UPCOMING EVENTS