NEW MEXICO STATE UNIVERSITY BOARD OF REGENTS
REGULAR MEETING
March 10, 2025 at 1:00 PM

Educational Services Building, Regents Room
1780 East University Avenue, Las Cruces, NM
Webcast at the following address: https://nmsu.zoom.us/j/82240874731

Regents of New Mexico State University
Chair Ammu Devasthali, Vice Chair Christopher T. Saucedo, Deborah Romero, Marisol Olivas, Ricardo Gonzales

Non-Voting Advisory Members - ASNMSU President Ala Alhalholy, Faculty Senate Chair Vimal Chaitanya, Ph.D., Employee Council Chair Donna Johnson

University Officials - President Valerio Ferme, Ph.D., Interim Provost Lakshmi Reddi, Ph.D., General Counsel Lisa Henderson, J.D.

AGENDA

A. **Call to Order**, *Chairwoman Ammu Devasthali*

Pledge of Allegiance

1. **Introduction of the Media and Elected Officials,** *Chief of Staff Justin Bannister*
2. **Introductions**
3. **Confirmation of Quorum**, *Chairwoman Ammu Devasthali*
4. **Approval of the Agenda**, *Chairwoman Ammu Devasthali*

B. **Approval of Minutes**

1. **Regular Meeting on January 30, 2025**

C. **Public Comment,** *Chief of Staff Justin Bannister*

D. **Regent Committee Reports**

1. **Audit and Risk Committee Report,** *Regent Ammu Devasthali*
2. **Financial Strategies, Performance and Budget Committee Report,** *Regent Deborah Romero*
3. **Student Success Committee Report,** *Regent Christopher Saucedo*

E. **Advisory Member Reports**

1. **Associated Students of NMSU Report**, *President Ala Alhalholy*
2. **NMSU Faculty Senate Report**, *Chair Vimal Chaitanya*
3. **NMSU Employee Council Report**, *Chair Donna Johnson*

F. **Affiliated Entity Reports**

1. **NMSU Foundation Inc. Report,** *CEO Sylvia Y. Acosta*

2. **Arrowhead Center Inc. Report**, *Interim Director & CEO Dana Catron*
3. **Aggie Development Inc. Report,** *CEO Scott Eschenbrenner*

G. **Consent Items**, *Chairwoman Ammu Devasthali*

1. **Disposition/Deletion of Property,** *University Controller Ross Justus*
2. **Bachelor of Science in Artificial Intelligence Proposal,** *Dean Enrico Pontelli*
3. **NMSU -Alamogordo Branch General Obligation School Bonds, Series 2025,** *NMSU System Community College Chancellor Mónica Torres*
4. **Item left intentionally blank**
5. **2025 Annual Open Meetings Notice Resolution,** *University General Counsel Lisa Henderson*
6. **Access to Classified Information Resolution,** *PSL Facility Security Officer Chris Scott*

H. **Action Items**, *Chairwoman Ammu Devasthali*

1. **Housing Rates Increase Request,** *Interim Vice President Administration and Finance Chris Kinsley*
2. **Required Student Fees,** *Chief Budget Officer Kim Rumford*
3. **DACC Integrated Access Program (Books4Less),** *NMSU System Community College Chancellor Mónica Torres*
4. **Election of Officers,** *Chairwoman Ammu Devasthali*

I. **Informational Items,** *Chair*

1. **None.**

J. **NMSU Academic Report,** *Interim Provost Lakshmi Reddi*

K. **NMSU System Report,** *President Valerio Ferme*

L. **Announcements and Comments**, *Chair*

1. **Good News for NMSU!**

M. **Adjournment**, *Chair*

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # B-1

☒ Action Item
☐ Consent Item
☐ Informational Item

Presented By: Adam Cavotta
Chief of Staff,
Board of Regents

Agenda Item: Regular Meeting on January 30, 2025

Requested Action of the Board of Regents: Approval of the Regular Meeting Minutes for January 30, 2025 as presented.

Executive Summary:

As required by the New Mexico Open Meetings Act, the board shall keep written minutes of all its meetings. The minutes shall include at a minimum the date, time and place of the meeting, the names of members in attendance and those absent, the substance of the proposals considered and a record of any decisions and votes taken that show how each member voted. All minutes are open to public inspection. Draft minutes shall be prepared within ten working days after the meeting and shall be approved, amended or disapproved at the next meeting where a quorum is present. Minutes shall not become official until approved by the board.

References:

NM Open Meetings Act §10-15-1 G.

Prior Approvals:
N/A

NEW MEXICO STATE UNIVERSITY BOARD OF REGENTS
REGULAR MEETING
January 30, 2025 at 2:00 PM

State Land Office
Morgan Hall
310 Old Santa Fe Trail
Santa Fe, NM 87501 and livestreamed for public viewing at
https://nmsu.zoom.us/j/82240874731

Regents of New Mexico State University
Chair Ammu Devasthali, Vice Chair Christopher Saucedo, Secretary/Treasurer Garrett Moseley, Dina Chacón-Reitzel, Deborah Romero

Non-Voting Advisory Members - ASNMSU President Ala Alhalholy, Faculty Senate Chair Vimal Chaitanya, Ph.D., Employee Council Chair Donna Johnson

University Officials - President Valerio Ferme, Ph.D., Interim Provost Lakshmi Reddi, Ph.D., General Counsel Lisa Henderson, J.D.

MINUTES

A. **Call to Order**, *Chairwoman Ammu Devasthali*

Chair Devasthali called the meeting to order at 2:10 PM. The Pledge of Allegiance was recited.

Pledge of Allegiance

1. **Confirmation of Quorum**, *Chairwoman Ammu Devasthali*

Regents Romero, Chacón-Reitzel, Moseley, Saucedo, and Devasthali were all present. Also present were ASNMSU President Ala Alhalholy, Faculty Senate Chair Vimal Chaitanya, Employee Council Chair Donna Johnson, President Valerio Ferme, Interim Provost Lakshmi Reddi, and General Counsel Lisa Henderson.

2. **Introduction of the Media and Elected Officials,** *Associate Vice President Justin Bannister*

There were no media or elected officials present.

3. **Introductions**

There were no additional introductions.

B. **Approval of the Agenda**, *Chairwoman Ammu Devasthali*

A motion to approve the agenda was made by Regent Romero and seconded by Regent Moseley. The motion carried and the agenda was approved as presented.

C. **Awards and Recognitions**

1. **Proclamation Recognizing the Service of Mónica Torres as Interim President of New Mexico State University,** *Chairwoman Ammu Devasthali*

Chairwoman Devasthali read the proclamation as follows:

WHEREAS, Dr. Mónica Torres concluded her appointment as the Interim President of the New Mexico State University System on December 31, 2024; and

WHEREAS, Dr. Torres was selected as Interim President on March 28, 2024 and began fulfilling the interim role on May 1, 2024, after having previously served as Chancellor of NMSU System Community Colleges; and

WHEREAS, her selection and service to New Mexico State University as Interim President has been broadly praised by members of the NMSU community, the City of Las Cruces, and throughout New Mexico; and

WHEREAS, she exhibited sound judgment and steadfast leadership while serving as Interim President, skillfully navigating the unprecedented challenges faced by university campuses nationwide; and

WHEREAS, President Valerio Ferme says, "When our university needed it most, Mónica Torres brought a steady, equanimous, and empathetic work ethic to stabilize and improve relationships between administration, faculty and staff. She established a culture of accountability that continues to set a pathway for improved communication and transparency across the university;" and

WHEREAS, Board of Regents Chairwoman Dr. Ammu Devasthali says:
"Dr. Mónica Torres's commitment and dedication to New Mexico State University is beyond reproach. She took on the position of Interim President at a time when it was crucial, more than ever, to have a steady hand at the helm. Her years of experience, both as an educator and administrator, made it possible to step into the role of Interim President with confidence. We are indeed fortunate that Dr. Torres was willing to take on this task and fulfilled it with humility and strength;" and

WHEREAS, since her time as a student at NMSU earning her bachelor's degree in English and later earning her Master's of English, she has become a recognized leader in education and community service; and

WHEREAS, she attained her Ph.D. in American Studies from the University of New Mexico; and
WHEREAS, she has worked in higher education for almost 40 years beginning in 1982 as a composition instructor; and

WHEREAS, she has been a faculty member and/or academic administrator at four universities and three community colleges in New Mexico, Minnesota, and Illinois; and

WHEREAS, Dr. Torres has been at Doña Ana Community College for 11 years—first, as vice-president for academic affairs and, since 2018, as president; and

WHEREAS, she has engaged in community service throughout her career, including serving on the founding boards of the Mesilla Valley Film Society, La Piñon, and Ngage New Mexico; and

WHEREAS, she currently serves on nine boards and commissions including the Greater Las Cruces Chamber of Commerce, The Bridge of Southern New Mexico, the Mesilla Valley Economic Development Alliance, and the

Burrell College of Osteopathic Medicine.

NOW, THEREFORE, BE IT PROCLAIMED that the Board of Regents of New Mexico State University thanks and commends Dr. Mónica Torres for her dedicated service as Interim President and wishes her continued success in serving as the Chancellor of NMSU System Community Colleges.

PROCLAIMED this 30th day of January 2025 in Santa Fe, New Mexico.

2. **Proclamation Recognizing the Service of Garrett Moseley as Regent of New Mexico State University,** *Chairwoman Ammu Devasthali*

Chairwoman Devasthali read the proclamation as follows:

WHEREAS, Garrett Moseley has served honorably and with distinction as a member of the Board of Regents of New Mexico State University for two years, including serving as Secretary and Treasurer of the board; and

WHEREAS, his service to New Mexico State University demonstrated his commitment to NMSU students related to both the quality of campus life and academic success; and

WHEREAS, Garrett Moseley, a native New Mexican, graduated from NMSU in May 2023 with a Bachelor of Arts in Government and Criminal Justice, and is pursuing a Master of Business Administration at NMSU and will graduate in summer 2025; and

WHEREAS, while attending NMSU he has been heavily involved in the Associated Students of New Mexico State University, serving as a senator for the College of Arts and Sciences; and

WHEREAS, in working with the ASNMSU Governmental Affairs team, he lobbied for additional funding at the New Mexico legislative session and continued this momentum as he actively engaged in advocating for NMSU as a Regent in subsequent legislative sessions; and

WHEREAS, he served on the Regents Student Success Committee and brought forward student concerns having participated in many discussions about student basic needs and elevating those discussions to the state-level; and

WHEREAS, he served as Position Director for Arrowhead Center Incorporated having taken considerable time in reviewing and helping the university move forward with a Commercial Sound Stage project to be constructed on Arrowhead land; and

WHEREAS, he served on the Regents Financial Strategies, Performance, and Budget Committee, carefully examining all fees proposed for consideration and actively engaging administration in reducing financial barriers to student retention and persistence; and

WHEREAS, he served on the Guiding Principles for Real Estate sub-committee whose work helped to further

maximize NMSU's returns on its real estate investments in order to help achieve the university's mission and serve as an engine for economic development in New Mexico, improving the lives of students, faculty, staff, and community; and

WHEREAS, he served as President of the Higher Education Regents Collation, establishing himself as not only a servant-leader at New Mexico State University but also in service to all higher education institutions in the State of New Mexico; and

WHEREAS, President Valerio Ferme says, "Regent Moseley approaches everything he does with enthusiasm and a deep sense of commitment to our university. During his time as a Regent, he has provided a fresh, team-oriented perspective in support of student needs, expectations and ambitions"; and

WHEREAS, his fellow regent colleague Deborah Romero says, "Regent Mosely and I were appointed to the Board at the same time, and I've had the privilege of serving with him on the Financial Strategies, Performance, and Budget Committee. I am so impressed with Regent Mosely, he is smart, thoughtful and kind. The NMSU Board of Regents has had to make a lot of hard decisions in the last couple of years and Regent Mosely's participation and input were well received by all Board members. I personally looked forward to hearing his perspective which I used to inform my decisions. His representation on behalf of the student body was invaluable. I am convinced that Regent Mosely is going to accomplish great things, I look forward to seeing him in a leadership role in the future."; and

WHEREAS, his fellow regent colleague Dina Chacón-Reitzel says, "Garret is a very effective Regent. He impressed me with a level of discernment, wisdom and maturity way beyond his years. He is a bright young man who will continue to use his leadership abilities and his passion for NMSU for the good of New Mexico and beyond. It was a privilege to serve on the NMSU Board of Regents with Garrett."; and

WHEREAS, his fellow regent colleague Christopher Saucedo says, "Regent Moseley's enthusiasm, commitment, and thoughtful leadership made, what will certainly be, a lasting impact on NMSU. His contributions, collaboration, and dedication to representing students have been invaluable. His presence on key committees and his influence on the Board will be greatly missed. I'm confident his service to NMSU and the State of New Mexico will continue for many years—and we will be better for it."; and

WHEREAS, his Board of Regents Chairwoman Dr. Ammu Devasthali says:
"Regent Garrett Moseley is an exemplary student, student Regent, and a valuable member of our Aggie community. His work ethic, his sense of responsibility, and his ability to hold himself accountable at all times has been a pleasure to watch. I can't wait to see him soar to greater heights. If this is the caliber of students we have coming out of our higher education institutions, I truly believe, we don't have to fear for the future of our nation."; and

NOW, THEREFORE, BE IT PROCLAIMED that the Board of Regents of New Mexico State University thanks and commends Garrett Moseley for his dedicated service and wishes him success in all future endeavors.

PROCLAIMED this 30th day of January 2025 in Santa Fe, New Mexico.

3. **Proclamation Recognizing the Service of Dina Chacón-Reitzel as Regent of New Mexico State University,** *Chairwoman Ammu Devasthali*

Chairwoman Devasthali read the proclamation as follows:

WHEREAS, Dina Chacón-Reitzel has a distinguished record of service as a member of the New Mexico State University Board of Regents, having served with honor for six years and having provided exemplary leadership in the roles of Chair and Vice Chair of the board on two separate occasions; and

WHEREAS, Dina Chacón-Reitzel is a native of New Mexico, hailing from the rural community of Cebolla in Rio Arriba County, where she was raised on her family's ranch, instilling in her the values of hard work, dedication, and community; and

WHEREAS, she pursued higher education at New Mexico State University (NMSU), earning a Bachelor of Science in Home Economics in 1978 and a Master of Business Administration in 1983, demonstrating her commitment to academic excellence; and

WHEREAS, she has dedicated her career to serving the agricultural community of New Mexico, beginning as a home economist for NMSU's Cooperative Extension Service and then as the Executive Director of the New Mexico Beef Council for over 30 years; and

WHEREAS, in her leadership role at the New Mexico Beef Council, she has tirelessly championed the interests of New Mexico's beef industry, promoting research, education, and marketing initiatives to advance this vital sector of our state's economy; and

WHEREAS, throughout her career, she has maintained strong ties with NMSU, collaborating on educational programs, advocating for federal funding for land-grant universities, and serving as a dedicated alumna; and

WHEREAS, Chacón-Reitzel's contributions extend beyond her professional endeavors, as evidenced by her active involvement in numerous civic and community organizations, including the National Cattlemen's Beef Association, the New Mexico 4-H Foundation, and the UNM Children's Hospital Foundation, among others; and

WHEREAS, her exemplary leadership and service have been recognized through numerous awards and accolades, including the NMSU College of Agricultural, Consumer and Environmental Sciences Distinguished Alumni Award, the New Mexico Department of Agriculture Industry Partner Award, the New Mexico Outstanding Leadership Award, and the New Mexico Cattle Growers' Association King Service Award; and

WHEREAS, Dina Chacón-Reitzel embodies the spirit of New Mexico, with her deep roots in our state, her dedication to education and agriculture, and her unwavering commitment to serving her community; and

WHEREAS, as chair of the Regents Real Estate Committee, she focused the work of the committee on improving the university's ability to fulfill our land-grant mission and led efforts to help establish the state-wide collaboration resulting in the New Mexico Reforestation Center; and

WHEREAS, President Valerio Ferme says, "in everything she does, Regent Chacón-Reitzel shows her dedication to ensuring NMSU's land-grant mission remains at the forefront of our work, especially through providing research and education capabilities to rural, ranching and agricultural communities in our state;" and

WHEREAS, her fellow regent colleague Deborah Romero says, "Regent Chacón Reitzel's heart for NMSU, agriculture and people is so evident. Every time we were together whether it was NMSU business or personal someone would know her. She is approachable and kind and has a gift of making everyone feel welcome. I learned a lot from Regent Chacón-Reitzel the last couple of years, she is an invaluable resource, and I am going to miss serving with her;" and

WHEREAS, Board of Regents Secretary/Treasurer Garrett Moseley says, "Dina is the strongest advocate for the agriculture and ranching industries that I've ever met. During my time with her on the board Dina's voice was a constant reminder to always honor the Land Grant mission and to never abandon NMSU's agricultural heritage. She truly exemplifies what it means to be an Aggie;" and

WHEREAS, Board of Regents Vice Chairman Christopher Saucedo says, "Dina's tireless advocacy for NMSU, its land-grant mission, and New Mexico's agricultural community has left a lasting legacy. Her commitment to education, agriculture, and service has shaped not only the university but the entire state. Her thoughtful comments and pointed questions will be missed. Dina is truly a special person;" and

WHEREAS, Board of Regents Chairwoman Dr. Ammu Devasthali says:
"Dina Chacón-Reitzel and I started our service on the Board of Regents at the same time. Dina has been the most reliable sounding board for me when it came to making tough decisions, and there were many for New Mexico State University. Dina is calm, thoughtful, deliberate, yet kind and compassionate. Her ability to think through issues and then make good decisions has been invaluable for all of us. She will be missed."

NOW, THEREFORE, BE IT PROCLAIMED that the Board of Regents of New Mexico State University thanks and commends Dina Chacón-Reitzel for her dedicated service and wishes her success in all future endeavors.

PROCLAIMED this 30th day of January 2025 in Santa Fe, New Mexico.

D. **Approval of Minutes and Confirmation of Prior Closed Executive Session**

1. Regular Meeting on December 12, 2024

A motion to approve the December 12, 2024 regular meeting minutes was made by Regent Moseley and seconded by Regent Chacón-Reitzel. The motion carried and the December 12, 2024 minutes were approved.

2. Work Session on December 13, 2024

A motion to approve the December 13, 2024 work session minutes was made by Regent Moseley and

seconded by Regent Saucedo. The motion carried and the December 13, 2024 minutes were approved.

3. **Confirmation of Prior Closed Executive Session on January 30, 2025**

   The Board confirmed the prior closed executive session held on January 30, 2025, at noon, pursuant to NMSA Section 10-15-1(H)(7) of the New Mexico Open Meetings Act, concerning pending and threatened litigation. Regents Devasthali, Saucedo, Moseley, Chacón-Reitzel, and Romero certified that only permissible matters were discussed.

E. **Advisory Member Reports**

1. **Associated Students of NMSU Report**, *President Ala Alhalholy*

   Reported on focusing on the capital outlay request and acknowledged ASNMSU Chief Justice Duran's contributions to the student Regent selection process.

2. **NMSU Faculty Senate Report**, *Chair Vimal Chaitanya*

   Provided an update on committee work, meetings with university leadership, participation in the Chief of Staff search, analysis of presidential executive orders, and the ongoing Vice President of Research search.

3. **NMSU Employee Council Report**, *Chair Donna Johnson*

   Reported on President Ferme's attendance at the January meeting, ongoing concerns regarding staff salaries, the external salary review progress, positive feedback on the extended holiday break, ongoing council elections, and Founders' Day planning.

F. **Consent Items**, *Chairwoman Ammu Devasthali*

A motion to approve the consent agenda was made by Regent Moseley and seconded by Regent Chacón-Reitzel. The motion carried and the consent items were approved as presented.

1. **Philanthropic temporary naming of the Doña Ana Community College food pantry the "First Light Federal Credit Union Comfort Casita.",** *NMSU System Community College Chancellor Mónica Torres*
2. **Honorific naming of the Baseball Stadium at the NMSU's Las Cruces Main Campus as "Johnson Stadium.",** *NMSU Foundation Chief of Staff Neal Bitsie*

G. **Action Items**, *Chairwoman Ammu Devasthali*

1. **None.**

H. **Informational Items,** *Chairwoman Ammu Devasthali*

1. **Artificial Intelligence - Bachelor of Science,** *Arts and Sciences Dean Enrico Pontelli*

   Dean Enrico Pontelli presented a proposal for a Bachelor of Science in Artificial Intelligence. He discussed the growing importance of AI, the educational landscape in New Mexico, the program's objectives and structure, and the department's readiness. Regents expressed strong support. The discussion covered resources, timelines, and interdepartmental collaboration.

2. **Presidential Inauguration Committee,** *Chairwoman Ammu Devasthali*

Chair Devasthali announced the committee's formation, naming Wanda Berman and Gary Carruthers as co-chairs, along with other members: Marci Dickerson, Dickerson Group; Staci Mays, NMSU Foundation; Sonia White, NMSU Global, Employee Council Vice Chair and Board President of the Las Cruces Hispanic Chamber of Commerce; Kelley Cleary Coffeen, College Associate Professor in Family and Consumer Sciences; representing the President's office, the chief of staff will serve on the committee when the position is filled.

I. **Report from the New Mexico Department of Agriculture to the Regents of New Mexico State University (Board of Agriculture),** *Cabinet Secretary & Director Jeff Witte*

Secretary Witte introduced Les Owen, the new Deputy Director/Secretary. He summarized his written report, addressing budget updates, legislative activities (including program funding), and monitoring of federal funds. He also thanked and recognized Regent Moseley and Regent Chacón-Reitzel for their service.

J. **NMSU Academic Report,** *Interim Provost Lakshmi Reddi*

Interim Provost Reddi highlighted the successful faculty/staff welcome event and the quality of faculty and staff. He outlined initiatives to consolidate international affairs services and reorganize student success offices, emphasizing enrollment management.

K. **NMSU System Report,** *President Valerio Ferme*

President Ferme expressed gratitude for the welcome he received. He discussed the anti-hazing task force, meetings with athletic staff, his commitment to staff salaries, and current enrollment figures. He also noted decreased recruiting numbers and the formation of a group to address the issue.

L. **Announcements and Comments – Good News for NMSU!,** *Chairwoman Ammu Devasthali*

Chair Devasthali encouraged attendance at the "Aggies on the Capitol Steps" event. Regents Moseley and Chacón-Reitzel delivered farewell remarks, expressing gratitude for their service. Regent Romero acknowledged the close working relationship and friendship she shared with Regent Moseley, highlighting his valuable contributions and expressing how much she will miss him.

M. **Adjournment,** *Chairwoman Ammu Devasthali*

Regent Chacón-Reitzel moved to adjourn the meeting with a second from Regent Moseley. All were in favor and the meeting adjourned at 3:28 PM.

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # E-1

☐ Action Item
☐ Consent Item
☒ Informational Item

Presented By: **Ala Alhalholy**
President
Associated Students of New Mexico State University

Agenda Item: Report from the Associated Students of New Mexico State University

Requested Action of the Board of Regents: None. Information only.

Executive Summary: This is a quarterly report provided to the Board of Regents from the Associated Students of New Mexico State University.

References:
See the attached report.

Prior Approvals:
N/A

The Associated Students of New Mexico State University
MSC 7110, P.O. Box 30001 | Las Cruces, NM 88003
T. 575.646.4415 | F. 575.646.5596
asnmsu.nmsu.edu

Thank you, chair woman Devasthali esteemed Regents, and members of the board. It is a pleasure to provide you with an update on the initiatives and activities of ASNMSU.

As of now, we have completed our lobbying efforts in Santa Fe and are currently awaiting confirmation of the funds allocated for our safety initiative. We are optimistic about the outcomes and look forward to receiving the necessary support for this important project.

In the coming weeks, ASNMSU will be hosting one of our most anticipated events, the **Big Event**, which is an annual initiative where we invite students to join us in improving our local community.

Additionally, our **Spring Elections** for Senators, as well as the President and Vice President of ASNMSU, will take place in the coming weeks, culminating in the first week of April. This will be an important time for our student body to engage with the electoral process and help shape the leadership of ASNMSU for the upcoming year.

The ASNMSU Court is also hosting a **Legal Event Series**, which aims to bring local legislators to campus to engage with our students on key issues and provide valuable insights into the legislative process. This series is designed to promote civic engagement and encourage dialogue between students and their elected officials.

The Court will also be running the **It's On Us Campaign**, which seeks to raise awareness around important social issues such as domestic violence. This campaign is an essential part of our ongoing commitment to fostering a safe and supportive campus environment.

I am happy to address any questions or provide further details on these initiatives. Thank you again for your time and continued support of ASNMSU and our efforts to serve the students of New Mexico State University.

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # E-3

☐ Action Item
☐ Consent Item
☒ Informational Item

Presented By: **Donna Johnson**
Chair
NMSU Employee Council

Agenda Item: Report from the New Mexico State University Employee Council

Requested Action of the Board of Regents: None. Information only.

Executive Summary: This is a quarterly report provided to the Board of Regents from Employee Council

References:
See the attached report.

Prior Approvals:
N/A

Employee Council
MSC 3FAC
New Mexico State University
P.O. Box 30001
Las Cruces, NM 88003-8001
Empcouncil@nmsu.edu

EMPLOYEE COUNCIL SUMMARY REPORT TO THE BOARD OF REGENTS March 10,

2025

ACTIVITIES FOR MONTHS OF FEBRUARY:

- The Employee Council Elections process has ended. 3 previous and 10 new members were voted in. The Executive Committee remains the same. Voted back in are Donna Johnson who will remain chair and Sonia White who will remain vice-chair for one more year to complete their 2-year terms. Joseph Almaguer Joseph Almaguer (Secretary/Treasurer), Sean Kardar (Recording Secretary) and K.T. Manis (Website Coordinator) will continue their terms as well.

- Employee Council was represented at the "NMSU at the Capital" function on January 31st in Santa Fe by Chair Donna Johnson, Vice-chair Sonia White and past-chair Susanne Berger. A good time was had by all. It was wonderful to participate and see so many advocates for NMSU in our state capital. Kudos to the NMSU Government Affairs department and the NMSU Foundation who did a fantastic job in coordinating the activities.

- The 2025 annual NMSU Founders Day planning is underway and will be held on April 23, from 11am – 1pm at the Traders Plaza between Business Complex and Guthrie Hall. Festivities for the inauguration of our new NMSU President will take place the same day.

For more information, including committee meeting schedules and supporting documentation, please visit https://inside.nmsu.edu/empcouncil/

UPDATE SHARED BY:
Donna Johnson, Employee Council Chair, donjohns@nmsu.edu

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item #: F-1

☐ Action Item
☐ Consent Item
☒ Informational Item

Presented By: **Sylvia Y. Acosta, Ph.D.**
Chief Executive Officer
NMSU Foundation Inc.

Agenda Item: Report from NMSU Foundation Inc.

Requested Action of the Board of Regents: N/A Information only

Executive Summary:

A quarterly recurring report to the Board of Regents from NMSU Foundation Inc.

References:

N/A

Prior Approvals:

N/A

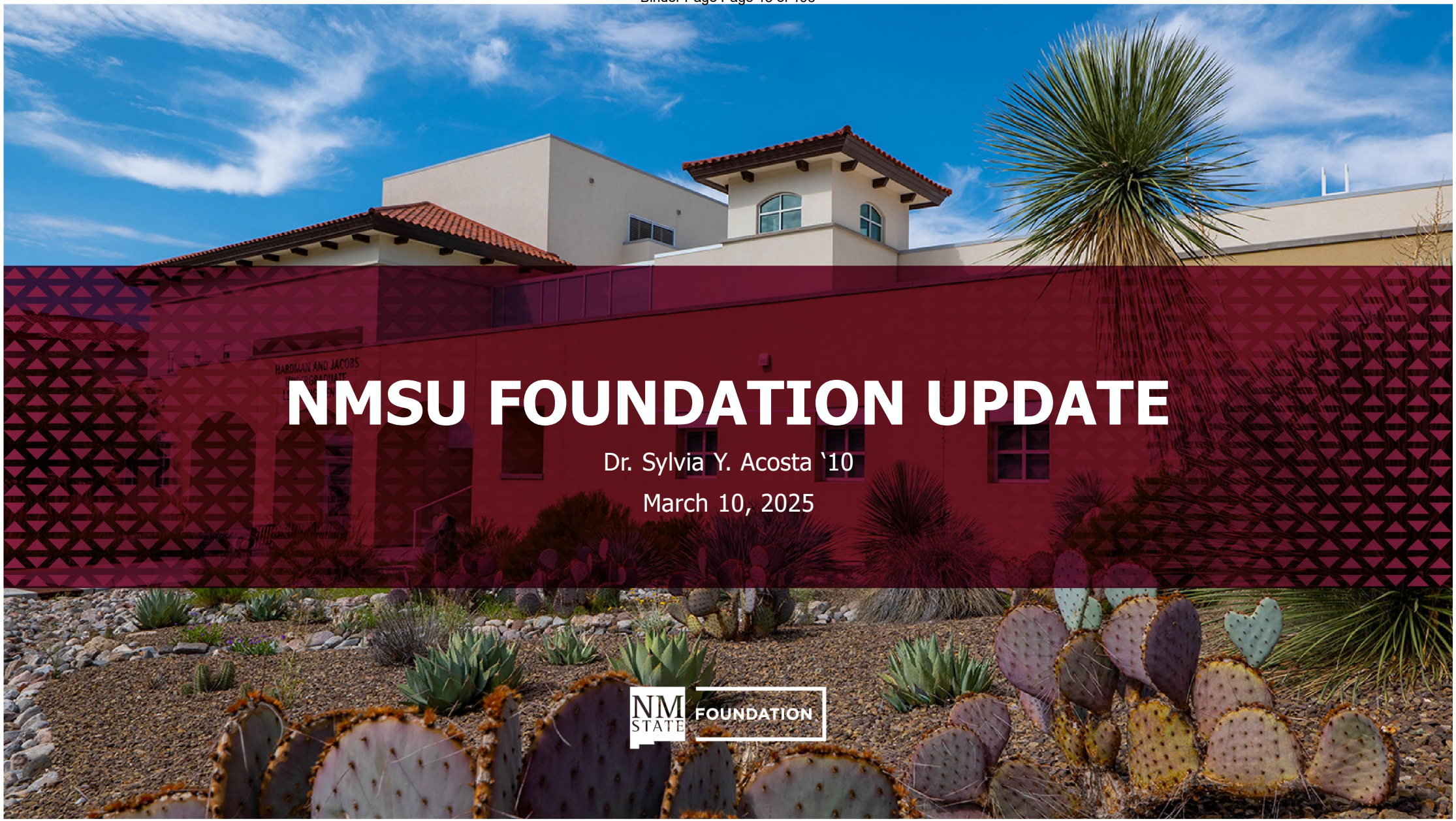
New Mexico State University Foundation Update

Dr. Sylvia Y. Acosta `10

Foundation Endowment Benchmark:
For the first time ever, the NMSU Foundation has surpassed $430 million in it's Assets Under Management and the Endowment Pool represents $400 million of that! Just a few years ago the Foundation was at $175 million. This incredible growth is a testament to the Foundation's commitment to donor stewardship and cultivation. With this increased growth, the Foundation will be able to continue to build the "Foundation" for the University, Students, Alumni, and the NMSU community's ability to grow, thrive, and fulfill its mission as a Land grant institution.

Foundation in Action:
The NMSU Foundation has raised over $13.8 million this year which puts us at 70% to goal. The NMSU Foundation will be sending out the Endowment Reports at the end of March. The NMSU Foundation's Gift Administration team will also be conducting campus tours and meeting with every dean to help collaborate and facilitate their colleges identifying the funds available to them. The Foundation is currently on track to launch and establish 6 Alumni Networks this year. The Foundation also has a series of events taking place over the coming events from two (2) mixers taking place in Phoenix, AZ, and Albuquerque, NM. The Foundation is also preparing for the 2nd annual Founders Day 1888 Minutes of Giving on April 22nd and the Outstanding Graduate Celebration on May 9th.

Foundation Leadership Hiring:
The NMSU Foundation is pleased to announce that Larry Mirabal has been selected to be the Foundation's Chief Financial Officer which started on February 10, 2025. Larry has over 25 years of leadership experience in higher education. Most recently Larry held the position of Vice President of Operations at the Institute of American Indian Arts (IAIA) in Santa Fe, NM, where he served for 13 years. Before that, Mr. Mirabal served as the Controller at St. John's College for 12 years. While at IAIA, Mr. Mirabal ushered forward new initiatives, including a "Textbooks Included with Tuition" program, new strategic approaches to budgeting, and oversight of several significant capital projects totaling over 75,000 square feet and nearly thirty million dollars. Additionally, Mr. Mirabal developed the college's yearly budget requests for Congress and delivered testimony to Congress on behalf of IAIA in support of those requests.



NMSU FOUNDATION UPDATE

Dr. Sylvia Y. Acosta `10

March 10, 2025

NM STATE FOUNDATION

Foundation Assets Hit Outstanding Benchmark!

For the first time ever, the NMSU Foundation's Assets Under Management hold an amazing $430 million!

The Endowment Pool within that exceeded $400 million for the first time in January of this year!

The Foundation in Action

- Fundraising to Date: 70% to Goal at $13.8 million!
- Endowment Reports will be going out at the end of March!
- The Foundations Gift Admin team will be conducting "Campus Tours" to collaborate with the Deans on the funds they have available from March 24th through April 4th.
- The Foundation is on track to launch 6 Alumni Networks this year!
- Foundation Calendar of Events:
  - March 14 – Alumni Mixer - Phoenix, AZ
  - March 18/19 – Grad Fair
  - April 11 – Alumni Mixer - Albuquerque, NM
  - April 22 – 1888 Minutes of Giving
  - May 9 – Outstanding Graduate Celebration

Larry Mirabal
Chief Financial Officer

Start Date: February 10, 2025

- 25 Years of higher education leadership experience.
- Previously served as the Vice President of Operations at the Institute of American Indian Arts (IAIA) in Santa Fe, NM.
- Larry has provided oversight of several significant capital projects withing the IAIA totaling over 75,000 square feet and nearly thirty million dollars.
- Larry is a 15th-generation New Mexican who graduated from the University of New Mexico – Anderson School of Management.

Thank you!

Dr. Sylvia Y. Acosta `10
Chief Executive Officer

NM STATE FOUNDATION

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item #: F-2

☐ Action Item
☐ Consent Item
☒ Informational Item

Presented By: **Dana DeRego Catron**
Interim Director & CEO
NMSU Arrowhead Center Inc.

Agenda Item: Report from NMSU Arrowhead Center Inc.

Requested Action of the Board of Regents: N/A Information only

Executive Summary:

A quarterly recurring report to the Board of Regents from NMSU Arrowhead Center Inc.

References:

N/A

Prior Approvals:

N/A

Arrowhead Center, Inc.
Report to the NMSU Board of Regents
March 10, 2025

1.0 FY 2024 Arrowhead Center, Inc. (ACI) Corporate Financial Report

FY2024 total revenue was $1,106,040 (114% of the $966,733 budget). Sources of revenue included land and office rent, contracts and license fees and royalties. Total expenses for FY 2024 were $1,234,198 (87% of the $1,424,604 budget) due to lower than anticipated expenses for Arrowhead Park. Expense categories included contracts, personnel, professional services and maintenance. For FY2024, the change in net position resulted in a loss of $128,158 (28% of the $457,871 projected loss) with a fund balance of $1,781,690. The organization's financial management has successfully limited expenses and outperformed revenue expectations, leading to a significantly smaller net loss than anticipated.

A detailed FY 2024 financial report was presented to both the Audit Committee and the full Board of Directors on 9/26/2024.

ACI's FY 2024 audit is complete, Moss Adams reported an unqualified opinion (no findings).

2.0 Arrowhead Park

Significant progress has been made in Arrowhead Park's development. The Soundstage Project received $15 million in funding from NMEDD, which is currently in an NMSU holding account earning interest. As of Q4 2024, the earnings of $129,000 will be added to the project budget. A Construction Management team, Northstar NM, has been hired, and the RFP for a Design/Build (D/B) team is scheduled to be released on March 13, 2025. The D/B team is expected to be under contract by mid-April, followed by aggressive design work. Challenges such as electrical equipment costs and potential U.S. tariffs on aluminum imports have been identified, requiring budget adjustments. The project team has also decided to remove the warehouse building from the initial scope with hopes of reinstating it later. A cost segregation study conducted by Clifton Larson Allen (CLA) identified expected savings of $90,000–$140,000, which will be moved to project contingency. The current schedule anticipates groundbreaking in early Fall 2025 and completion by mid-Summer 2026.

Landscaping projects are also underway with a total package price of $282,856, significantly reduced from an initial estimate of $530,000. This includes projects at Tortugas Park, Arrowhead Drive Medians, and key intersections around Film Street and Triviz Drive. All work is expected to be completed by the end of March 2025.

The New Office Building project will be relocated to the southeast corner of Arrowhead Drive and Film Street, adjacent to DACC and NMSU Creative Media buildings, forming a strategic hub. A revised site plan is in development, and marketing efforts will be reactivated by mid-April 2025.

Arrowhead Park's FY25 budget has been updated to reflect new revenue sources, including

$84,000 for project administration fees and $235,892 in anticipated rent revenue for the Soundstage from FY27–FY30. The landscape project negotiation resulted in approximately $200,000 in savings. Additionally, the final transfer of $101,000 for the EDA Infrastructure Grant and a $44,372 transfer for NMDOT Trail matching funds have been completed.

Despite these positive developments, the Park still requires $3.6 million in FY26 and an additional $3.7 million in FY27 for essential infrastructure improvements. Legislative funding opportunities through the EDD Site Readiness initiative are being pursued, and discussions with NMSU Finance regarding potential debt obligations to support the new building location are ongoing.

2.0 Intellectual Property Protection and Commercialization

Commercialization activity remains strong, with an increase in patent filings and licensing activity. In 2024, 14 inventions were disclosed, along with the filing of seven provisional patent applications, six utility patent applications, and two international patent applications. Seven patents were issued this year, bringing the total number of active patents to 48, with 24 patents currently pending.

Notable commercialization efforts include Dr. Gloria Zhang's EcoCFTrack technology, a cystic fibrosis diagnostic tool that has been selected for I-RED ASCEND2.0 and is currently protected by a provisional patent. Additionally, Path to Plate, an online B2B marketplace connecting agricultural producers with institutional buyers, has a pending patent and is in the process of securing a development license. Licensing efforts have also expanded, with Mountain View Seeds, LLC securing an exclusive license for three drought-resistant alfalfa varieties developed at NMSU. Filtravate, Inc. continues to refine its antimicrobial filtration membranes, which are now protected by multiple patents. Furthermore, two faculty startups, Medlock Agriculture Inc. and Haptech Zown Communication, LLC, were launched in 2024 to commercialize NMSU technologies.

Despite these successes, funding challenges persist. The IP Office will be pursuing a budget increase from NMSU due to ongoing deficits. The current annual allocation of $143,850 for legal fees is insufficient, as legal fees and staffing shortfalls continue to strain operations. The projected budget requirement for 2025 is $341,472, representing a 137% increase over current funding levels. Legal fees and staffing gaps are affecting NMSU's ability to scale its IP portfolio. Currently, only 64% of the IP Director's salary is covered by the budget, while the IP Project Manager position remains unfunded and is covered by Arrowhead's operating budget. Expanding commercialization activity is outpacing available resources, necessitating increased investment in IP protection and licensing support. Arrowhead Center continues to advocate for expanded funding to ensure that NMSU can effectively protect and monetize its innovations.

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # G-1

☐ Action Item
☒ Consent Item
☐ Informational Item

Presented By: Ross Justus, University Controller

Agenda Item:

Disposition/Deletion of Property

Requested Action of the Board of Regents:

Approval of Disposition/Deletion of Property.

Executive Summary:
The Property Disposition Report represents tangible personal property on the capital asset list identified for disposition and deletion from the university's capital inventory as of 2/13/2025.
Summary of items:

Categories	Count	Total Cost	Accumulated Depreciation	Net Book Amount
Obsolete Equipment	18	$ 202,899.50	$ 202,270.16	$ 629.34
Surplus Vehicle	4	52,431.43	52,431.43	-
Surplus Equipment	1	7,846.36	6,800.17	1,046.19
Worn Out	4	36,079.00	36,079.00	-
Unusable Vehicle	5	74,580.61	62,865.09	11,715.52
Unusable Equipment	1	198,900.00	198,900.00	-
Grand Total	33	$ 572,736.90	$ 559,345.85	$ 13,391.05

References:
N/A

Prior Approvals:
Regents Financial Strategies, Performance and Budget Committee 2/26/2025

Agenda Item Approved By:

Valerio Ferme
Valerio Ferme, President

02/21/2025
Date

NMSU Capital Property Disposition Report - at 2/13/2025

Summary

Categories	Count	Total Cost	Accumulated Depreciation	Net Book Amount
Obsolete Equipment	18	$ 202,899.50	$ 202,270.16	$ 629.34
Surplus Vehicle	4	52,431.43	52,431.43	-
Surplus Equipment	1	7,846.36	6,800.17	1,046.19
Worn Out	4	36,079.00	36,079.00	-
Unusable Vehicle	5	74,580.61	62,865.09	11,715.52
Unusable Equipment	1	198,900.00	198,900.00	-
Grand Total	**33**	**$ 572,736.90**	**$ 559,345.85**	**$ 13,391.05**

Detail

#	Department	Barcode	Description	ACQUISITION DATE	Total Cost	Accumulated Depreciation	Net Book Amount	Disposal Type
1	NMDA VETERINARY DIAGNOSTIC SVC	U410801	Leica EG1150H Configuration includes magnifier	2/22/2007	7,657.96	7,657.96	-	Obsolete
2	NMDA VETERINARY DIAGNOSTIC SVC	U419204	Spectrophotometer Nanovue 95042 680	12/12/2008	8,181.82	8,181.82	-	Obsolete
3	NMDA VETERINARY DIAGNOSTIC SVC	U437356	PW41 Mircroplate Washer	2/12/2015	7,756.35	7,756.35	-	Obsolete
4	JORNADA EXPER RANGE HEADQUARTERS	U425633	DELL WORKSTATION DONATION	9/14/2010	6,712.82	6,712.82	-	Obsolete
5	JORNADA EXPER RANGE HEADQUARTERS	U425635	DELL DATABASE SERVER DONATION	9/14/2010	23,700.00	23,700.00	-	Obsolete
6	JORNADA EXPER RANGE HEADQUARTERS	U426168	Hard Drive Disk Pack 3pt 0 TB 7pt 2K SATA II	1/4/2011	6,434.20	6,434.20	-	Obsolete
7	BIOLOGY	U411757	Metamorph Basic Imaging System PN IMG1300	10/10/2007	13,550.00	13,550.00	-	Obsolete
8	CHEMISTRY AND BIOCHEMISTRY	U325187	TRAY LANGMUIR	11/20/1989	42,044.00	42,044.00	-	Obsolete
9	CIVIL ENGINEERING	U312178	PROJECTOR LCD SPLIT 4 OF 4	5/4/2001	7,096.50	7,096.50	-	Obsolete
10	MECHANICAL ENGINEERING	U434670	VibSoft 20 VIBSOFT Software USB based 20 kHz	2/13/2014	6,750.00	6,750.00	-	Obsolete
11	IT TELECOMM,NETWORK	U413978	CISCO CATALYST SWITCH	9/6/2007	7,373.85	7,373.85	-	Obsolete
12	IT TELECOMM,NETWORK	U414195	Switches Catalyst 3750E 24 10 100 1000	10/16/2007	5,886.90	5,886.90	-	Obsolete
13	IT TELECOMM,NETWORK	U414196	Switches Catalyst 3750E 24 10 100 1000	10/16/2007	5,886.90	5,886.90	-	Obsolete
14	IT TELECOMM,NETWORK	U435649	Network Switch Catalyst 3750X 24 Port GE SFP IP	6/4/2014	9,020.00	9,020.00	-	Obsolete
15	IT TELECOMM,NETWORK	U436631	Network Switch Catalyst 3750X 24 Port GE SFP IP	7/16/2014	9,020.00	9,020.00	-	Obsolete
16	ASSOCIATED STUDENTS OF NMSU	U430054	TASKALFA Digital Copier Model 3550 CI	3/12/2012	11,900.00	11,900.00	-	Obsolete
17	PLT MAINTENANCE AL	U420260	Club Car Villager 6 gasoline 11pt 5 hp	9/14/2010	9,441.08	8,811.74	629.34	Obsolete
18	COMPUTER SUPPORT	U412824	Server Dell PowerEdge 2950 III	10/28/2008	14,487.12	14,487.12	-	Obsolete
19	ADMIN PRGM SANDVAL CTY	U422666	2010 White Chevy Impala Sedan G79171	2/8/2010	18,116.50	18,116.50	-	Surplus Vehicle
20	AG SCIENCE CTR AT CLOVIS	U424426	2010 Polaris Ranger XP 800 CC	6/3/2010	9,999.00	9,999.00	-	Surplus Vehicle
21	FS PAINTERS	U322007	TRUCK FLATBED ONE TON 1995 G08878	2/17/1995	15,500.00	15,500.00	-	Surplus Vehicle
22	FS PAINTERS	U406278	UTILITY VEHICLE	6/29/2005	8,815.93	8,815.93	-	Surplus Vehicle
23	FS ADMIN EXP	U428043	Engrave It Pro	12/9/2011	7,846.36	6,800.17	1,046.19	Surplus Equipment
24	ANIMAL AND RANGE SCIENCES	U320837	CHROMATOGRAPH GAS	7/16/2001	11,716.50	11,716.50	-	Worn out
25	ANIMAL AND RANGE SCIENCES	U328446	AUTOSAMPLER	7/16/2001	6,862.50	6,862.50	-	Worn out
26	AG SCIENCE CTR AT ARTESIA	U331172	TRACTOR FARM	12/1/1999	10,000.00	10,000.00	-	Worn out
27	ARTESIA SALES	U410177	Ford New Holland Windrower Swather Model 1118	10/3/2006	7,500.00	7,500.00	-	Worn out
28	PLANT AND ENVIRONMENTAL SCIENCES	U408138	2006 CHEVY CC15903 TRUCK VEHICLE G65515	2/7/2006	13,274.00	13,274.00	-	Unusable Vehicle
29	IT TELECOMM,NETWORK,CUST SUPPORT	U405119	TRUCK PICKUP 1/2 TON 2005 G60657	2/2/2005	17,595.00	17,595.00	-	Unusable Vehicle
30	IT TELECOMM,NETWORK,CUST SUPPORT	U445271	2 Seat Utility Cart	8/17/2018	12,615.50	5,046.18	7,569.32	Unusable Vehicle
31	WAVE PROGRAM	U430409	Yamaha Golf Cart 2012 Consierge 4 passenger	6/26/2012	8,765.00	7,596.29	1,168.71	Unusable Vehicle
32	UNIV ADVANCEMENT VP OFFICE	U429570	2012 #803 half Ton ext Cab Pickup Short Box Bed (	4/24/2012	22,331.11	19,353.62	2,977.49	Unusable Vehicle
33	CHEMISTRY AND BIOCHEMISTRY	U409990	Instruments Laboratory Surveying Eqp Sup Capital	6/9/2006	198,900.00	198,900.00	-	Unusable Equipment
				Total	**572,736.90**	**559,345.85**	**13,391.05**	

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # G-2

☐ Action Item
☒ Consent Item
☐ Informational Item

Presented By:

Enrico Pontelli
Dean, College of Arts & Sciences

Son Tran
Academic Department Head, Computer Science

Huiping Cao
Professor, Computer Science

Agenda Item:

Artificial Intelligence - Bachelor of Science Degree Proposal

Requested Action of the Board of Regents:

Approval of the Artificial Intelligence - Bachelor of Science Degree as presented.

Executive Summary:

The Department of Computer Science in the College of Arts and Sciences is proposing a new Bachelor of Science in Artificial Intelligence (BS-AI) degree program to meet the growing demand for AI professionals in New Mexico and nationally. The program is designed to provide students with a strong foundation in the principles of AI and its applications, including machine learning, data mining, human-computer interaction, and ethical considerations. Students will also gain hands-on experience through research projects, internships, and collaborations with industry partners.

Program Goals

- To prepare students for careers in a variety of industries, including information technology, management information systems, healthcare, finance, and national security.
- To provide students with the skills and knowledge to succeed in the evolving AI field.
- To contribute to the advancement of the institution and the state by providing a qualified workforce for industry, national laboratories, and government agencies.

Curriculum

The BS-AI curriculum will include core courses in computer science, AI, machine learning, data mining, human-computer interaction, and ethical considerations. Students will also have the opportunity to specialize in advanced AI skills through electives and special topics courses.

Student Outcomes
Upon successful completion of the program, graduates will be able to:

- Demonstrate a solid understanding of the foundational principles of AI and AI algorithms.
- Analyze complex computing problems and apply AI techniques to them.
- Design, implement, and evaluate AI-based solutions to meet a set of requirements.
- Recognize professional responsibilities and make informed judgments in AI practice based on responsible AI principles.
- Communicate effectively in a variety of professional contexts.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline. [1]

Program Assessment
The program will be assessed annually through self-study and external evaluation. It will also involve interaction with industry and government to ensure alignment with workforce needs.

Accreditation
The BS-AI program is new, and there is not yet a specialized accrediting organization for this program. However, it is expected that ABET, the accreditation agency for computer science-related programs, will eventually develop accreditation criteria for this program.

Conclusion
The BS-AI program at NMSU has the potential to be a significant contributor to the state's economy and workforce development. By providing students with the skills and knowledge they need to succeed in the AI field, the program will help to ensure that New Mexico remains a leader in this important area.

Additional Information

- The program is expected to launch in the fall of 2025.
- Students can apply for financial aid to help cover the cost of tuition.

References:

See the attached presentation and new program proposal.

Prior Approvals:

2/25/2025 – The Regents Student Success Committee recommended placing the item on the agenda for full board approval.

A comprehensive list of prior approvals is attached to the program proposal.

Bachelor of Science in Artificial Intelligence
A Proposal

Enrico Pontelli
College of Arts & Sciences
New Mexico State University

AI: Need

- Rapid development of Artificial Intelligence (AI) in the last ten years
- Technology brings novel solutions to broad industries, including those that have been considered as untouchable by AI, e.g.,
  - Education,
  - Art,
  - Culinary industry
  - …
- **Actions have been taken at national and state level**

AI:
Impact, Concerns, Opportunities

- Workforce
  - US AI market was $11.4 billion in 2019 – estimated at $147 billion in 2024
  - Predicted to reach $266 billion by 2027
  - In May 2023, 5% of job losses have been due to AI
  - 23.5% of US companies have replaced workers with AI tools
  - AI expected to replace 300 million jobs worldwide (9.1%)
  - In the US: 73 million jobs lost to AI, 93 million new jobs created in AI by 2025

- Impacts in all sectors
  - Military - Smart and “responsible” weapons
  - Medicine - Protein structure determination, Personalized healthcare
  - Transportation - Automated vehicles, navigating complex environments,
  - Education - Personalized education Democratize access to advanced education and specialized assistance

AI Specialist: Master AI Knowledge

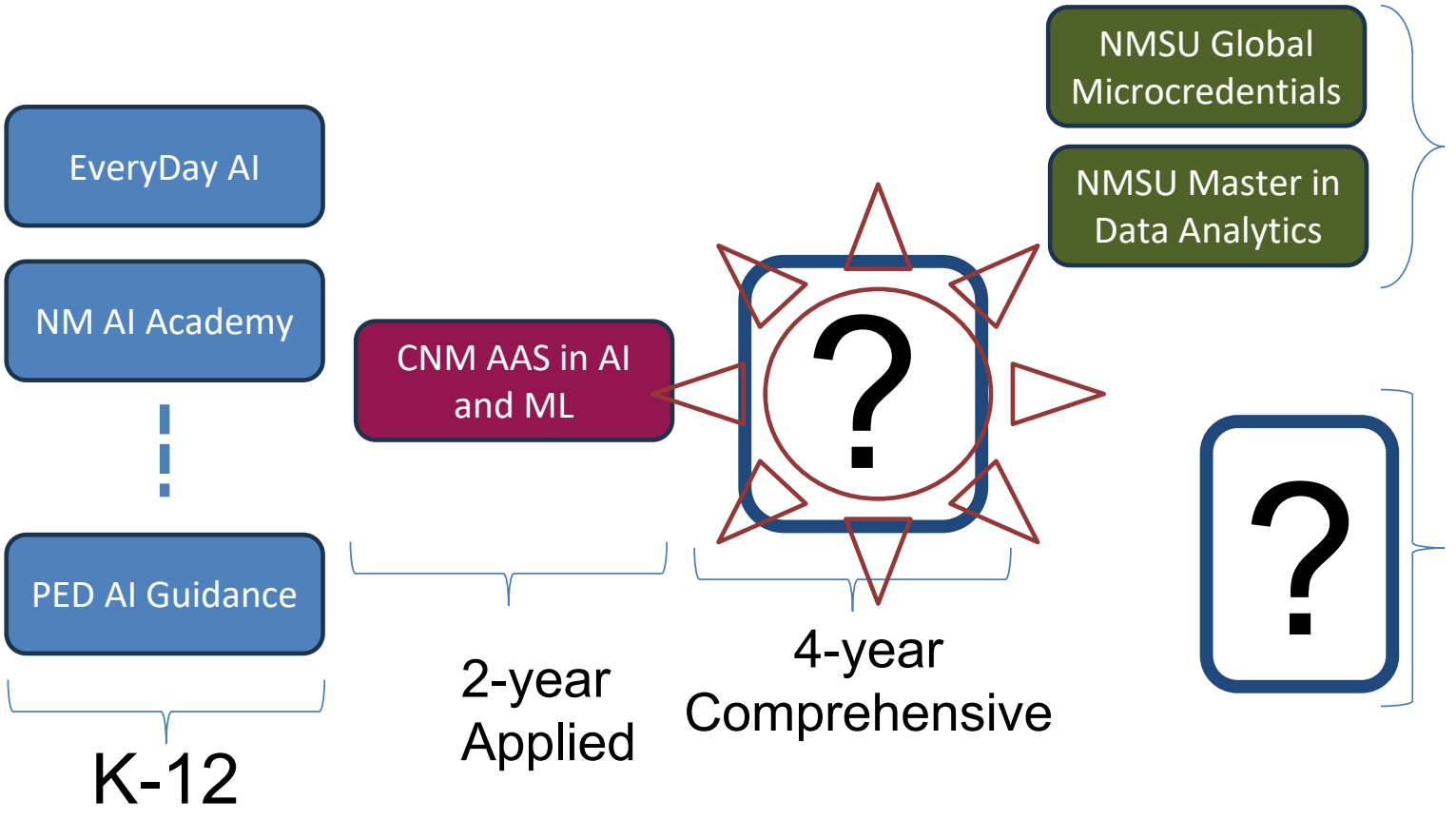
Image Source: Kelly Powers, Cornell Tech and the 2022 Everyday AI Summer Camp

AI Knowledge is
"the set of knowledge items and competency relevant to becoming a developer, deployer, and critical consumer of AI."

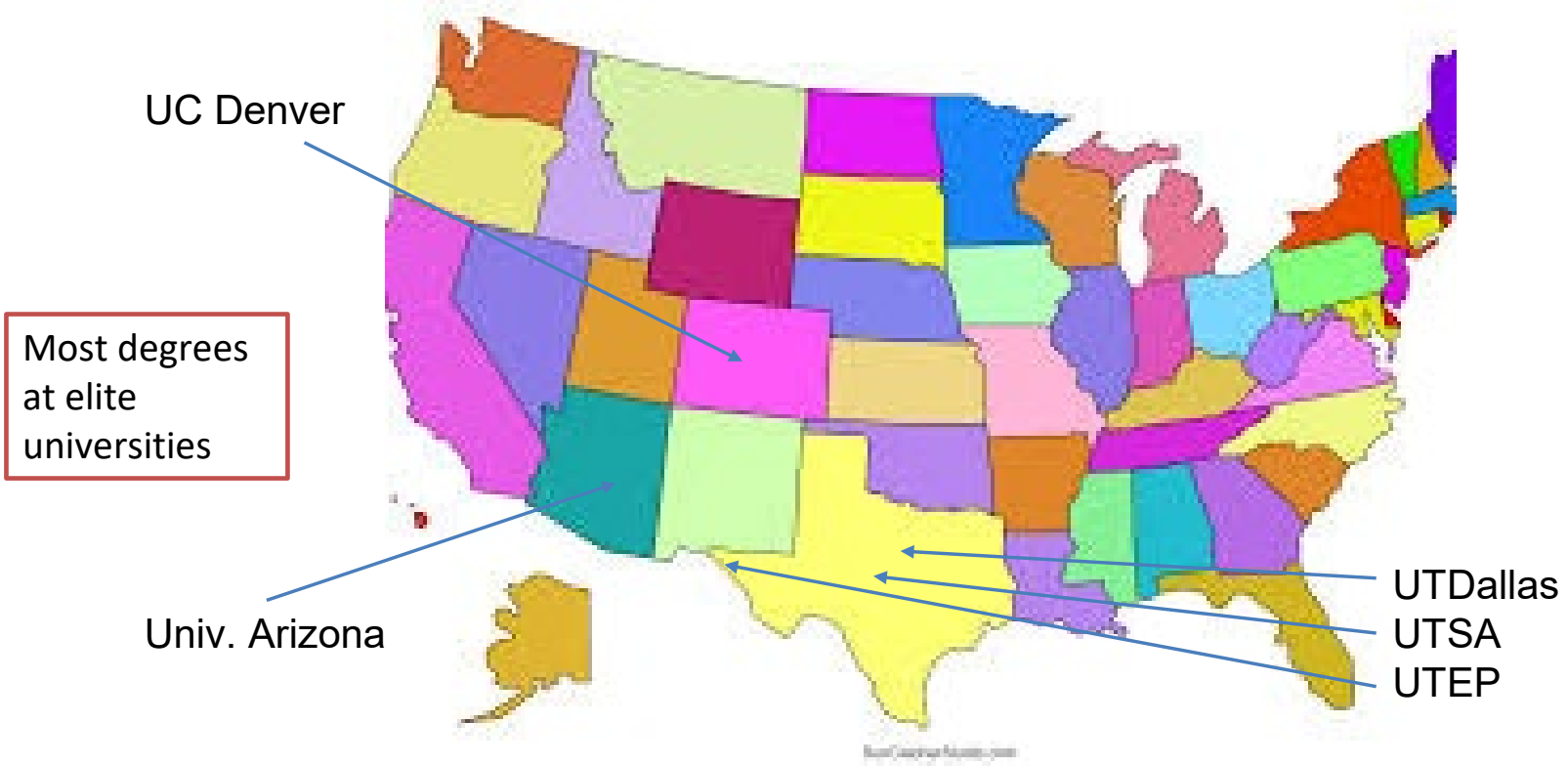
AI Knowledge encompasses:

- Foundations of AI
- Understanding of how AI works
- Understanding of how AI can be used to solve problems
- Understanding how AI impacts individuals and society

New Mexico:
A "Leaky" Educational Landscape



Competition is growing fast: BS in AI



Current AI Education and Employment in NM

Education:

No Undergraduate degree program in AI in NM

NMSU CS ranked top 100 in AI research (csranking.org)

Extensive Research Expertise on Applied and Foundational AI

Employment

LANL (102/416) and **Sandia** (53/152) jobs advertised by the labs requires ML skill (January 24, 2025 search)

Indeed.com lists today 102 AI-specific openings in NM

Over 2,000 jobs in CS/AI in NM and 203 CS graduates (code.org)

NMSU BS in AI: Proposed Program

- Learning Objectives
  1. Demonstrate a solid understanding of the **foundational principles of AI** and AI algorithms;
  2. Be able to analyze complex computing problems and **apply AI techniques** to them;
  3. Design, implement, and **evaluate an AI-based** solution to meet a set of requirements;
  4. Recognize **professional responsibilities** and make informed judgments in AI practice based on **responsible AI** principles (e.g., fairness, ethics, safety, trustworthy, etc.);
  5. **Communicate** effectively about AI in a variety of professional contexts;
  6. Serve as an effective member or leader of a **team** focused on AI-driven problem solutions.

NMSU BS in AI: Proposed Program

- Program Structure: 120 Credits
  - Computer Science Fundamentals
  - Statistics Fundamentals
  - AI Foundations
  - Generative AI
  - Electives
    - Advanced AI
    - AI application domains (e.g., cognitive sciences, industrial engineering, electrical engineering, sociology)
  - Capstone

Readiness and Benefits

Readiness

- All CS faculty voted to introduce the program (half of the CS department works on AI)
- Support from contributing departments including ECE, IE, MAE, ET, Accounting & IS, Psychology, Sociology
- The department has acquired servers and high-end workstations to support the design and use of AI techniques through multiple research grants.

Benefits

- Expectation: 5 years (by 2030) ~ 70 enrolled majors with 10-20 graduated
- Supply AI-"engineers", national labs within the state (LANL, Sandia), promote AI entrepreneurship

Thank You

Questions?

Bachelor of Science in Artificial Intelligence

Goals

- Train an AI-ready workforce for local, regional, and national job markets
- Become a go-to destination for AI interested students, researchers, and industries in the region and international
- Increase New Mexico's competitiveness

Curriculum (120 credit hours)

- Computer Science fundamentals
- Statistics fundamentals
- AI foundations
- Generative AI
- Electives: Advanced AI & AI application domains
- Capstone

Readiness and Expectation

- Program is welcomed by CS faculty and supported by contributing departments
- Department is well prepared for the program
- Expect to have at least 70 enrolled majors in five years

999: ARTIFICIAL INTELLIGENCE - BACHELOR OF SCIENCE

In Workflow

1. Student Records Office - Programs (gdmart@nmsu.edu)
2. AS Academic Dean (jlakey@nmsu.edu)
3. UPAC - Chair (jlakey@nmsu.edu)
4. Provost (mcateer@nmsu.edu; bgamillo@nmsu.edu; cecimh@nmsu.edu)
5. President (vhaggard@dacc.nmsu.edu)
6. Board of Regents (cavotta@nmsu.edu)
7. Student Records Office - HED (gdmart@nmsu.edu)
8. Student Records Office - CIP (gdmart@nmsu.edu)
9. MA HLC (cecimh@nmsu.edu)
10. Student Records Office (gdmart@nmsu.edu)

Approval Path

1. Mon, 01 Jul 2024 22:34:07 GMT
   Gabrielle Martinez (gdmart): Approved for Student Records Office - Programs
2. Fri, 12 Jul 2024 23:24:26 GMT
   Joe Lakey (jlakey): Approved for AS Academic Dean
3. Thu, 31 Oct 2024 22:12:18 GMT
   Joe Lakey (jlakey): Approved for UPAC - Chair
4. Fri, 01 Nov 2024 19:50:31 GMT
   James Mcateer (mcateer): Approved for Provost
5. Fri, 15 Nov 2024 17:34:48 GMT
   Vicki Haggard (vhaggard): Approved for President

New Program Proposal

Date Submitted: Mon, 01 Jul 2024 22:20:41 GMT

Viewing: 999 : Artificial Intelligence - Bachelor of Science

Last edit: Thu, 31 Oct 2024 22:09:57 GMT

Changes proposed by: Son Tran (stran)

Submission Information

The Degree Type will factor into the level and the submissions that must occur for HED and HLC.
• Community College Types: Applied Associate Degree, Associate Degree, Certificate, Concentration
• Main/Global Campus Undergrad Types: Bachelor's Degree, Concentration, Minor
• Main/Global Campus Graduate Types: Master's Degree, Doctoral Degree, Certificate, Concentration, Minor

Degree Type

Bachelor's Degree

The Degree Title dropdown has all existing degree titles in Banner, if you do not see the one you are looking for you will select "Other" then in the New Degree Title box you will type out the official title of the degree (as you would want it to appear on a students record, transcript, and/or diploma).

Degree Title

Bachelor of Science

Academic Level

Undergraduate

The Catalog Title will be what is displayed in the catalog page. The standard format is Major (Concentration) - Degree Title. (I.e., Mathematics (Secondary Education) - Bachelor of Science. Note: If there is no concentration you would just list the Major - Degree.

Catalog Title

Artificial Intelligence - Bachelor of Science

College

Arts and Sciences

2 999: Artificial Intelligence - Bachelor of Science

Campus
Main Campus

Department
Computer Science

Effective Catalog
2025-2026

If opting for a Global program, specify "Global Campus" under campus type. You must have a Program Proposal on file with Global Campus prior to submission of a new Global program. Contact Global Campus for more information.

Program Teaching Modality
Traditional-Face to Face

CIP Code
110101 - Computer and Information Sciences, General.

Normal or typical length of time for students to complete the program (in years)
4 years

Curriculum Information

Program Learning Outcomes

	Learning Outcomes
Outcome 1	Analyze a complex computing problem and apply principles of computing, artificial intelligence, and other relevant disciplines to identify solutions
Outcome 2	Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline
Outcome 3	Design, implement, and evaluate an AI-based solution to meet a set of requirements
Outcome 4	Communicate effectively in a variety of professional contexts
Outcome 5	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles
Outcome 6	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

List of academic departments/units and or institutions involved in the delivery of courses

Department/Unit
Computer Science

The Course Requirements, need to be in the standard format for the catalog because this piece of the form will be imported directly onto the catalog page. See the Student Records Website for a guide. The total number of credits at the bottom of the course list will be the "official" total for the degree. Please make sure it adds up correctly.

Course Requirements
The Bachelor of Science in Artificial Intelligence (AI) is rigorously focused on educating the student in the fundamental disciplines of AI. It will prepare computing and IT professionals who are capable of leading technological, methodological, and policy changes in industry and government, both locally and nationally, with an emphasis on the development and application of AI technologies.

General Requirements Exception

A grade of at least C- must be earned in each of the courses taken to satisfy the departmental and non-departmental requirements. No course may be counted as satisfying both a departmental and a non-departmental requirement. No course taken to satisfy either a departmental or a non-departmental requirement may be taken S/U.

Requirements

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education Requirement		
Area I: Communications [1]		*9-10*

English Composition - Level 1 [2]		
ENGL 1110G	Composition I	4
English Composition - Level 2		
ENGL 2210G	Professional and Technical Communication	3
Oral Communication		
Choose one from the following:		3
COMM 1115G	Introduction to Communication	3
COMM 1130G	Public Speaking	3
HNRS 2175G	Introduction to Communication Honors	3
Area II: Mathematics [3]		*3-4*
MATH 1511G	Calculus and Analytic Geometry I	4
or MATH 1430G	Applications of Calculus I	
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences		*10-11*
Area III: Laboratory Sciences [2]		
Area IV: Social & Behavioral Sciences [2]		
Either an Area III/IV: Laboratory Sciences Course or Social/Behavioral Sciences [2]		
Area V: Humanities [2]		*3*
Area VI: Creative and Fine Arts [2]		*3*
General Education Elective [2]		*3-4*
Viewing a Wider World [4]		**6**
Departmental Requirements		**47**
CSCI 1720	Computer Science I	0,4
CSCI 2210	Object-Oriented Programming	0,4
CSCI 2220	Introduction to Data Structures and Algorithms	0,4
CSCI 2310	Discrete Mathematics for Computer Science	0,4
CSCI 2410	Practical Programming	2
CSCI 3410	Introduction to Intelligent Agents Using Science Fiction	3
CSCI 3710	Software Development	0,4
CSCI 3720	Data Structures and Algorithms	0,4
CSCI 4110	Computing Ethics and Social Implications of Computing	1
CSCI 4980	Senior Project [5]	4
or CSCI 4999	Senior Thesis	
CSCI 4405	Artificial Intelligence I	3
CSCI 4140	Database Management Systems I	3
CSCI 4420	Applied Machine Learning I	3
CSCI 4415	Introduction to Data Mining	3
Additional Selective Requirements		
Select one of the following		*3*
CSCI 4435	Text Mining and Natural Language Processing	3
CSCI 4440	Generative Artificial Intelligence	3
Select 9 credits from the following		*9*
CSCI 4425	Introduction to Deep Learning	3
CSCI 4430	Graph Data Mining	3
CSCI 4265	Modern Web Technologies	3
CSCI 4255	Digital Game Design	3
CSCI 4270	Principles of Virtual Reality	3
CSCI 4250	Human-Centered Computing	3
Select 9 credits from the following: [5]		*9*
CSCI 4225	Introduction to Cryptography	3
CSCI 4230	Architectural Concepts I	3
CSCI 4410	Computer Graphics I	3
CSCI 4996	Special Topics	1,12
C S 479	Special Topics [6]	1-6
CSCI 4205	Computer Security	3
C S 480	Linux System Administration	3
CSCI 4260	Visual Programming	3
C S 484	Computer Networks I	3
CSCI 4305	Bioinformatics	3
C S 489	Bioinformatics Programming	3
CSCI 4215	Parallel Programming	3
CSCI 4220	Cloud and Edge Computing	3
SOCI 4150	Networked and Connected	3

SOCI 4155	Textual Analysis of Digital and Social Media	3
SOCI 4160	Visualizing Social Life	3
E E 406	Quantum Computing	3
E E 408	Noncooperative Game Theory	3
E E 444	Advanced Image Processing	3
E E 446	Digital Image Processing	3
E E 465	Machine Learning I	3
I E 425	Supply Chain Modeling and Analysis	3
I E 467	Discrete-Event Simulation Modeling	3
ICT 439	Advanced Digital Forensics and Incident Response	3
ICT 450	Ethical Hacking	3
M E 486	Introduction to Robotics	3
BCIS 482	Management of Information Security	3
BCIS 461	Business Analytics I	3
BCIS 466	Business Analytics II	3
PSYC 2220	Cognitive Psychology	3
PSYC 2250	Brain and Behavior	3
PSYC 320	Learning	3
PSYC 380	Perception	3
PSYC 383	Memory	3
PSYC 430	Human-Computer Psychology	3
PSYC 442	Thinking	3
Non-Departmental Requirements (in addition to Gen.Ed/VWW)		**3**
Select one from the following:		
MATH 1350G	Introduction to Statistics	3
MATH 2350G	Statistical Methods	3
A ST 311	Statistical Applications	3
STAT 3110	Statistics for Engineers and Scientists	3
STAT 4210	Probability: Theory and Applications	3
Second Language Requirements: (not required)		
Electives, to bring the total credits to 120 [7]		**5-7**
Total Credits		**120-126**

1 Students with Area I transfer credits may sometimes complete this requirement with 9 credits
2 See the General Education (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/) section of the catalog for a full list of courses
3 Either MATH 1430G Applications of Calculus I or MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take any prerequisites needed to enter either first.
4 See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext) section of the catalog for a full list of courses.
5 The current C S 419 course will need to be developed to become a full course for the need of this program.
6 The project or thesis must be related to AI.
7 A course can satisfy only one requirement. Courses outside of the department might require additional pre-requisites.
8 Must be taken for 3 credits to count as a course.
9 Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.

Second Language Requirement

For the Bachelor of Science in Artificial Intelligence, there is no second language requirement for the degree.

The Road Map, need to be in the standard format for the catalog because this piece of the form will be imported directly onto the catalog page. See the Student Records Website for a guide. All courses and the total number of credits at the bottom of the roadmap should match the Course Requirements list.

Road Map

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I . The contents and order of this roadmap may vary depending on initial student placement in Mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

Freshman		Credits
CSCI 1720	Computer Science I	0-4
CSCI 2210	Object-Oriented Programming	0-4
CSCI 2220	Introduction to Data Structures and Algorithms	0-4
MATH 1430G or MATH 1511G	Applications of Calculus I [1] or Calculus and Analytic Geometry I	3
ENGL 1110G	Composition I	4
Area III: Laboratory Science Course [2]		3
Area IV: Social/ Behavioral Sciences Course [2]		3
Area V: Humanities Courses [2]		3
Electives as needed to meet the minimum credit requirement for financial aid [6]		2
	Credits	**18-30**
Sophomore		
CSCI 2310	Discrete Mathematics for Computer Science	0-4
CSCI 2410	Practical Programming	2
CSCI 3710	Software Development	0-4
CSCI 3410	Introduction to Intelligent Agents Using Science Fiction	3
ENGL 2210G	Professional and Technical Communication	3
Area III or IV [2]		3
Viewing the Wider World [3]		3
Select one from the following:		3
CSCI 4435	Text Mining and Natural Language Processing	
CSCI 4440	Generative Artificial Intelligence	
Elective credits if needed for financial aid requirements [6]		5
	Credits	**22-30**
Junior		
CSCI 3720	Data Structures and Algorithms	0-4
CSCI 4405	Artificial Intelligence I	3
CSCI 4140	Database Management Systems I	3
Elective Courses from List 1 or 2 [4]		9
Area 6: Humanities [2]		3
Non-Departmental Requirement in addition to Gen. Ed/WWW [5]		3
Viewing a Wider World [3]		3
Elective credits if needed for financial aid requirements [6]		2
	Credits	**26-30**
Senior		
C S 448 or C S 449	Senior Project or Senior Thesis	4
CSCI 4420	Applied Machine Learning I	3
CSCI 4415	Introduction to Data Mining	3
Elective Courses from List 1 and 2 [4]		9
Upper division electives to bring total upper division to 48 [3]		4
Electives as needed to meet minimum credit requirements [6]		4
CSCI 4110	Computing Ethics and Social Implications of Computing	1
	Credits	**28**
	Total Credits	**94-118**

1 MATH 1430G Applications of Calculus I or MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take any prerequisites needed to enter this course.

2 See the list of General Education (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/) section of the catalog for a full list of courses

3 See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext) section of the catalog for a full list of courses

4 See list of Computer Science electives (https://catalogs.nmsu.edu/nmsu/arts-sciences/computer-science/computer-science-bachelor-science/#requirementstext) in Degree Requirement Section. Students are encouraged to consider elective courses that concentrate on a certain topic.

5 **Non-Departmental Requirement: one of the following**

- MATH 1350G Introduction to Statistics
- MATH 2350G Statistical Methods
- A ST 311 Statistical Applications
- STAT 3110 Statistics for Engineers and Scientists
- STAT 4210 Probability: Theory and Applications

6 999: Artificial Intelligence - Bachelor of Science

6 *Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.*

Students are encouraged to consult with their advisor regarding the possibility of enrolling in the combined BS+MS accelerated program (MAP) in Computer Science.

The admission requirements are needed if the program has a specialized admission process that exceeds the campus requirements for either the Undergraduate or Graduate admission standards.
• For graduate programs, the Graduate School asks for the following information (Provide a summary of the documents and specific information each student will need to provide to be considered for the program): Description, Statement of Purpose/Letter of Interest; Specialty Letter of Interest; Resume; Writing Sample; GRE; GMAT; Special Questions (if yes, what questions need to be answered); Letters of Recommendation (how many are required); NMSU Faculty Representative (if yes, how many); Foreign Language; WES Evaluation; Special License or Verifications (what license/verification)

Admission Requirements

All students must meet the admission requirements for freshmen and/or transfer students as determined by NMSU and documented in the relevant section of the NMSU catalog.

- Students should meet the minimum of a high school cumulative GPA of 2.75 or being ranked among the top 20% of graduating class, or an ACT composite score of 21 or SAT score of 990 (1060 for new format). (see: https://catalogs.nmsu.edu/nmsu/essential-information-students/admissions/).
- Transfer students will need to meet the admission requirements as specified in the relevant section of the NMSU catalog (see: https://catalogs.nmsu.edu/nmsu/essential-information-students/transfer-undergraduate-students/).

In particular, students with 30 or more college credits will need to have a cumulative GPA of at least 2.0, while students with 29 or less credits will need to meet freshmen admission requirements and have an overall GPA of at least 2.5.

Does this program lead to licensure, yes or no?

No

Is credit for prior learning built into the program, if yes explain?

Students can request transfer credits for general education or equivalent courses per university's regulation.

Faculty Members Employed to Teach in the Program

Existing Personnel

Son Tran

FTE

1.0

Course load and courses they will teach in the proposed program

1 per semester. CSCI 272, CSCI 278, CSCI 475, CSCI 390, CSCI 395, C S 448, C S 449, CSCI 479, CSCI 482

Courses taught in other programs currently offered

CSCI 272, CSCI 278, CSCI 475 , CSCI 395 C S 448, C S 449, C S 479, C S 482

Description of academic qualifications

Dr. Tran is a professor in Computer Science and his research interest is in AI, especially in autonomous agents, logic programming, knowledge representation and reasoning, automated planning, etc. He has published several papers in these research areas and received several grants for his research.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Tran has offered several of the above mentioned courses multiple times.

Existing Personnel

Huiping Cao

FTE

1

Course load and courses they will teach in the proposed program

2 per semesters. CSCI 271, CSCI 272, CSCI 371, CSCI 482, CSCI 487, CSCI 488, C S 448, C S 449, CSCI 383, CSCI 384, CSCI 479

Courses taught in other programs currently offered

CSCI 271, CSCI 272, CSCI 371, CSCI 482, CSCI 487, C S 488, C S 448, C S 449, C S 479

Description of academic qualifications

Dr. Cao is a professor in Computer Science and her research focuses on Machine Learning, specializing in Data Mining, Applied Machine Learning, and Database. She has published several papers in these research areas and received many grants for her research.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Cao has offered the above courses multiple times. She did express her interest in teaching C S 383 and C S 384.

Existing Personnel

Jonathan Cook

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 271, CSCI 371, CSCI 479, C S 448, C S 449, C S 484

Courses taught in other programs currently offered

C S 271, C S 371, C S 479, C S 448, C S 449, C S 484

Description of academic qualifications

Dr. Cook is a professor in Computer Science and his research interest is in Software Engineering. He has published papers in this research area and received grants for his research.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Cook has offered several of the above mentioned courses multiple times.

Existing Personnel

Bill Hamilton

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 281, CSCI 477, CSCI 381, CSCI 485, CSCI 382, C S 448, C S 449, CSCI 479

Courses taught in other programs currently offered

CSCI 477, CSCI 381, CSCI 485, CSCI 382, C S 448, C S 449, C S 479

Description of academic qualifications

Dr. Hamilton is an assistant professor in Computer Science and his research interest is in HCI. He has published papers in this research area and received grants for his research.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Hamilton has offered several of the above mentioned courses multiple times. He is currently developing the C S 281 course that will be offered starting Spring 2025.

Existing Personnel

Tuan Le

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 271, CSCI 272, CSCI 487, C S 488, C S 448, C S 449, CSCI 479, CSCI 383, CSCI 384, CSCI 391

Courses taught in other programs currently offered

CSCI 271, CSCI 272, CSCI 487, C S 488, C S 448, C S 449, CSCI 479, CSCI 383, CSCI 384, CSCI 391

Description of academic qualifications

Dr. Le is an assistant professor in Computer Science and his research interest is in data mining, text mining, natural language processing, and visualization. He has published several papers in these research areas and was a co-PI or senior personnel on different grants.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Le has offered several of the above mentioned courses multiple times. He did express his interest in teaching C S 384.

Existing Personnel

Patty Lopez

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 371, CSCI 172, CSCI 419, CSCI 482

Courses taught in other programs currently offered

CSCI 371, CSCI 482

Description of academic qualifications

Dr. Lopez is an assistant professor in Computer Science and her research focuses on Computer Science education. She joined the department in Fall 2023 and has extensive industrial experience.

Prior instructional responsibility and other experiences relevant to assigned courses

In her first year at NMSU, Dr. Lopez has offered C S 371 and C S 482. She has expressed her interest in teaching C S 172 and C S 419 and in supervising students in their senior thesis/project.

Existing Personnel

Satyajayant Misra

FTE

1

Course load and courses they will teach in the proposed program

0 per semester. As the Associate Dean of Research of CoE, Dr. Misra has no allocation for teaching. However, Dr. Misra has expressed his interest in teaching some of the courses such as C S 484, C S 496, C S 479 whenever his schedule permits.

Courses taught in other programs currently offered

C S 484, CSCI 496, CSCI 479

Description of academic qualifications

Dr. Misra is a professor in Computer Science and the Associate Dean of Research of CoE. His research focuses on Networking, Cybersecurity, Machine Learning in Cybersecurity. He has published extensively in these research areas and received several grants for his research.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Misra has offered several of the above mentioned courses multiple times.

Existing Personnel

Gaurav Panwar

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 480, CSCI 496, C S 484, CSCI 478, C S 448, C S 449

Courses taught in other programs currently offered

CSCI 480, CSCI 496

Description of academic qualifications

Dr. Panwar is an assistant professor in Computer Science and his research interest is in cybersecurity and networking. He joined the department in Fall 2023 and has published papers in cybersecurity and networking.

Prior instructional responsibility and other experiences relevant to assigned courses

In his first year at NMSU, Dr. Panwar has offered C S 480 and C S 496. He has expressed his interest in teaching C S 484 and C S 478 and in supervising students in their senior thesis/project.

Existing Personnel

Inna Pivkina

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 171, CSCI 271, CSCI 272, CSCI 278, CSCI 372, C S 448, C S 449

Courses taught in other programs currently offered

CSCI 171, CSCI 271, CSCI 272, CSCI 278, CSCI 372, C S 448, C S 449

Description of academic qualifications

Dr. Pivkina is an associate professor in Computer Science and her research focuses on Computer Science education. She has been participating in various projects aimed at improving CS education.

Prior instructional responsibility and other experiences relevant to assigned courses

With the exception of the senior project/thesis, Dr. Pivkina has been offering the above courses several times; and, since Fall 2022, she has been teaching these courses every year.

Existing Personnel

Joe Song

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 486, CSCI 489, CSCI 372, C S 448, C S 449

Courses taught in other programs currently offered

CSCI 486, CSCI 489, CSCI 372, C S 448, C S 449

Description of academic qualifications

Dr. Song is a professor in Computer Science and his research interest is in Bioinformatics. He has published several papers in this research area and received grants for his research.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Song has offered several of the above mentioned courses multiple times.

Existing Personnel

Roopa Vishwanathan

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 278, CSCI 372, CSCI 380, CSCI 478, C S 448, C S 449

Courses taught in other programs currently offered

CSCI 278, CSCI 372, CSCI 380, CSCI 478, C S 448, C S 449

Description of academic qualifications

Dr. Vishwanathan is an associate professor in Computer Science and her research focuses on cybersecurity and cryptography. She has published several papers in these research areas and received grants for her research.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Vishwanathan has offered several of the above mentioned courses multiple times.

Existing Personnel

Christabel Wayllace

FTE

1

Course load and courses they will teach in the proposed program

2 per semester. CSCI 475 , CSCI 395, CSCI 390, C S 448, C S 449, CSCI 485, CSCI 479

Courses taught in other programs currently offered

CSCI 475 , CSCI 390

Description of academic qualifications

Dr. Wayllace is an assistant professor in Computer Science and her research interest is in artificial intelligence. She joined the department in Fall 2023 and has published papers in artificial intelligence.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Wayllace joined the department in Fall 2023. She has taught C S 475 and C S 390. She has expressed her interest in teaching C S 485 and AI-related courses and in supervising students in their senior thesis/project.

Existing Personnel

Naveed Ul Mustafa

FTE

1

Course load and courses they will teach in the proposed program

1 per semester for Fall 2024 and Spring 2025. 2 per semester after Spring 2025. CSCI 473, CSCI 480, C S 484

Courses taught in other programs currently offered

CSCI 473

Description of academic qualifications

Dr. Naveed will be joining the CS department in Fall 2024. His research is in system and networking. He has published several papers in these research areas.

Prior instructional responsibility and other experiences relevant to assigned courses

Dr. Naveed will be joining the CS department in Fall 2024. He has worked as teaching assistant during his doctoral study.

Existing Personnel
Shiva Darian

FTE
1

Course load and courses they will teach in the proposed program
1 per semester for Fall 2024 and Spring 2025. 2 per semester after Spring 2025. CSCI 419, CSCI 475, CSCI 482, CSCI 485

Courses taught in other programs currently offered
CSCI 485

Description of academic qualifications
Dr. Darian will be joining the CS department in Fall 2024. Her research is HCI. She has published several papers in this research area.

Prior instructional responsibility and other experiences relevant to assigned courses
Dr. Darian will be joining the CS department in Fall 2024. She has worked as teaching assistant during her doctoral study.

Existing Personnel
Enrico Pontelli

FTE
1

Course load and courses they will teach in the proposed program
0 course per semester. Dr. Pontelli is currently the Dean of College of Arts and Sciences. He has expressed interests in teaching some of the courses such as C S 479, C S 491, C S 448, and C S 449 whenever his schedule permits.

Courses taught in other programs currently offered
CSCI 479, CSCI 491, C S 448, C S 449

Description of academic qualifications
Dr. Pontelli is a professor in Computer Science and his research interest is in AI. He has published several papers in logic programming, knowledge representation and reasoning, automated planning, assistive technology and received several grants for his research.

Prior instructional responsibility and other experiences relevant to assigned courses
Dr. Pontelli has offered several editions of the aforementioned courses.

Documentation of department faculty support
Supporting Document.pdf

Curriculum Committee Approval
memo_placeholder_curriculum_cmte_ai.pdf

Gray Associates Data
gray_ai_110102_combined.pdf

NM Higher Education Department

Describe your institution's plan for periodic evaluation of program effectiveness. Include criteria that will be used to determine effectiveness.
As all academic programs at NMSU, we expect that BS-AI to be formally reviewed every year, through the development of a self-study and, potentially, an external evaluation. Students completing the BS-AI program are required to complete either a thesis or a capstone project, which requires multiple reviewers among the faculty involved in the program. In both cases, the course objectives will encompass the student learning outcomes for the program.

Students are required to complete a Artificial Intelligence Portfolio in addition to those courses defined within the program. Students construct a portfolio from the projects completed as part of the major course requirements portion of the program. The portfolio

is intended to enable assessment of those learning outcomes that are best assessed in an integrative fashion, spanning all of the students course work and therefore reflects overall academic growth.

The program review will benefit from interaction with industry and government. Examples of such interaction include presence of representatives from national labs (e.g., Sandia) on the BS-AI advisory board, student involvement in industry/government sponsored Artificial Intelligence internships, and frequent industry/government guest speakers. Another key part of the formative assessment will be to evaluate the alignment of the BS-AI curriculum with community colleges (e.g., DACC, CNM). The analysis will assess the successful connections made, the challenges encountered, and the recommendations for making the program even more accessible to students throughout New Mexico. The results of the evaluation will be reported to the Executive Vice President and Provost.

The program will be evaluated using the criteria, which were used to evaluate as all other programs within the Computer Science department that are not evaluated by ABET such as BA in CS, BS in Cybersecurity.

The proposed program must meet one or more specified needs within the state or region. Clear and convincing evidence must be provided of the reality and extent of such need.

The rise of Artificial Intelligence (AI), in particular Generative AI, has been at the forefront of research and development across a broad variety of industries. It also requires significant changes in AI education. A comprehensive study in AI needs to include basic topics in neural network, natural language processing, machine learning, knowledge representation and reasoning, intelligent agents, etc. (as recommended in the Computer Science Curricula (CSC) 2023, published January 2024, by The Joint Task Force on CSC, Association for Computing Machinery (ACM), IEEE-Computer Society (IEEE-CS), and Association for the Advancement of Artificial Intelligence (AAAI)) while traditional topics in Computer Science such as operating systems, architecture, and theories about programming languages might not be necessary.

The potential impact of AI has also gained significant attention of the law makers at different levels. President Biden signed the "Executive Order on the Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence" on 10/30/2023. After three months, on 01/29/2024, the White House announced the "Key AI Actions" which details the activities that have been executed within the 90 days of the signing of the Executive Order; one of them is: "Began the EducateAI initiative to help fund educators creating high-quality, inclusive AI educational opportunities at the K-12 through undergraduate levels. The initiative's launch helps fulfill the Executive Order's charge for NSF to prioritize AI-related workforce development—essential for advancing future AI innovation and ensuring that all Americans can benefit from the opportunities that AI creates."

Several organizations have provided their predictions on the impact of AI on the job market which call for significant investment and educational opportunities in AI. E.g.,
• A World Economic Forum report estimated that "by 2025, 85 million jobs may be displaced by a shift in the division of labor between humans and machines, while 97 million new roles may emerge."
• A report from McKinsey estimates that generative AI could add the equivalent of $2.6-$4.4 trillion annually across the 63 use cases that were analyzed.

(see further details in the accompanied proposal).

The NM legislature and the public at large have taken steps to ensure that NM is at the front line of AI application and education. During the 2023/24 legislative sessions, several NM legislative committees held meetings focusing on the use of AI and its impacts, e.g., The Science, Technology, and Telecommunications committee held six meetings and one of the three focuses during these meetings is "AI Technology"; The Judiciary Committee passed the Bill on Government Use of AI Transparency Act (HB 184); the Legislative Education Study Committee held panel on AI in schools and the need for a NM AI Alliance; etc.

NMAI Academy, with support from Senators Brenda McKenna and Craig Brant, has been providing NM students with cutting-edge AI-based problem-solving skills.

The above numbers and activities highlight the opportunities and need for a comprehensive education program on AI for all people of all ages and levels, nationally and state-wide. The proposed BS-AI program aims at addressing this need and provides the opportunities for NM-students.

If the program fills a regional workforce need, describe collaboration between your institution and regional employers in the program development.

Resume Builder surveyed 750 business leaders at companies that currently or plan to use AI in 2024 and found that

• 53% of companies use AI, and 24% plan to start in 2024;
• 37% of companies using AI say the technology replaced workers this year;
• 44% of companies surveyed say AI will lead to layoffs in 2024;
• 96% of companies hiring in 2024 say candidates will benefit from having AI skills; and
• 83% say AI skills will help current employees retain their jobs.

In New Mexico, six out of nine target industries for growth, designated by Governor Michelle Lujan, will benefit from a workforce with strong knowledge and skill in AI technology (aerospace, intelligent manufacturing, sustainable & green energy, biosciences, sustainable & value-added agriculture, cybersecurity).

AI has also become increasingly important for national laboratories in NM in that one out of four job advertised by the labs requires AI (a web search on June 8, 2024 results in the following: 25/ 101 jobs posting of Sandia and 16/40 jobs in the Science category of Los Alamos requires AI skill).

The proposed program aims at addressing the need for AI education in NM, a topic that has been discussed in the inaugural meeting of the New Mexico Artificial Intelligence Consortium (NMAIC), organized by UNM with several participants from around the state. Our proposed program has received positive feedbacks and endorsement from around the state (e.g., Dr. Clark (Los Alamos), Dr. Jeffery (NMT)).

If similar programs are offered at other public higher education institutions in New Mexico, provide a rationale for offering an additional program.

The proposed BS-AI program does not duplicate an existing Bachelor degree program offered by another university in New Mexico. To the best of our knowledge, the only program related to AI is the Associate or Applied Science program entitled “Artificial Intelligence and Machine Learning” that is offered by the School of Business, Hospitality & Technology (BHT) of Central New Mexico Community College. Its curriculum focuses on the development of machine learning models for various applications. The proposed program differs significantly with the program at CNM: 120 credits vs. 62 credits, 6-9 vs. 4 AI related courses, 6 vs 2 programming related courses, capstone vs none. The proposed program can provide opportunities for CNM’s students to complete a BS degree if desired.

Enrollment and Graduation Projections

Student Type	Year 1	Year 2	Year 3	Year 4	Year 5
New Students	10	10	15	15	25
Continuing Students	0	10	18	30	42

Annual Retention Rate Target (%)

80

Target 100% Graduation Rate (%)

85

Target Job Placement Rate (%)

95

Describe the faculty resources that are needed to initiate the program. Will any additional faculty be needed?

Under the current plan of the Computer Science department, no additional faculty will be needed for this program. The department currently has five faculty with research expertise strongly related to AI (Drs. Huiping Cao, Tuan Le, Bill Hamilton, Christabel Wayllace, and Son Tran). Dr. Shiva Darian, who will join the department in Fall 2025, is working in HCI, which is a sub-area of AI. Dr. Pontelli, who is the dean of the college of Arts and Sciences, has also expressed interest in offering some courses for this program if his schedule permits. In addition, the department will recruit a tenured track position for AI for Fall 2025. Most of the available faculty have been teaching a combination of core CS courses and AI courses (as elective courses for the Computer Science). Our core teaching mission of Computer Science courses will therefore be not affected.

Descibe the library and other academic support resources that are needed to initiate the program. What, if any, additional resources will be needed?

The curriculum for the BS-AI program builds primarily on courses that are already in place and successfully offered with some of these courses are offered as special topic courses. These courses are accounted as elective courses for the BS-CS program. In some cases, students use them to satisfy the requirements of the BS-CS with AI concentration. There were several students expressed interest in the AI concentration but decide to withdraw at the end because the extra requirements cannot be fitted within their program of study. All students, who took these courses, have found adequate support with the current materials provided by the library and by the fast-growing publicly accessible repositories of on-line materials. We are aware of the lower funding-level to the library in recent years but we believe that the total holdings listed in the library's report should be sufficient for a small cohort of students. In addition, with membership in the Association for Computing Machinery (ACM), all faculty and student members would have access to the primary journals and conferences in the field as part of their membership.

Describe the physical facilities of the institution that will be used for the first five years of the program. Will additional space or modifications of existing space be required within the first five years of program operation.

No new facilities are required to support the offering of this program. The existing laboratories (e.g., within the Department of Computer Science) will be sufficient to support the proposed curriculum.

14 999: Artificial Intelligence - Bachelor of Science

Describe the institution's equipment and technological resources needed for the first five years of the program? What, if any, additional equipment will be needed?

No new equipment is required to support the offering of this program. Equipment currently available at the participating departments within NMSU is sufficient to fully support the launch and initial phases of this program. Besides, NMSU is the host of the high performance computing facility from the recent EPSCoR project that is one of the best HPC facilities in the state and is available for students' use. As the program grows, it is expected that new equipment/funds will be required to ensure adequacy of virtual laboratory resources both within the NMSU and commercially (e.g., Amazon EC2) respectively.

Describe any other operating resources needed to initiate the program.

The proposed degree program will be a part of the Computer Science department, College of Arts and Sciences. Additional administrative activities will be carried out by the department and the college.

Are there existing external facilities that will be used? Have agreements been established to ensure use of the those facilitates?

No external facility will be used.

Provide a clear analysis of the projected cost of the proposed program and the sources of funding that will support it for the first five years that the program will be offered. Include a discussion how any of the needed resources discussed in your attachment. This should be completed in collaboration with your institution's financial office.

proposal-nmsu-ai.pdf

Letters of Support

BS_AI Support Letter for NMSU_dlc.pdf
Psychology_DrAndrew _Conway.pdf
BCIS_AI Electives Letter_Dr_Melendrez.pdf
ME_Jay_Mahdi.pdf
A ST 311_DH Letter_Dr_Winnie_Lee.docx
Sociology_Dr_David_Ortiz.pdf
ETSE_ICT_CS_AI_Dr_Gabe_Garcia.pdf
EE_support_Dr_Steve_Stochaj.pdf
Letter_of_Support_BS_AI_Meta_ChuanHu.pdf
NMSU-AI-program.pdf
Letter_of_Support_BS_AI_Cisco_Gong.pdf
Letter_of_Support_BS_AI_Google_Yifan.pdf
Sam - support of AI BS.pdf
Letter_of_Support_BS_AI_Intel_Javed.pdf
Letter_of_Support_BS_AI_Microsoft_Li.pdf
NMSU BS-AI program Letter of Support _060524_MITLL_Martinez_David.pdf
Srini Letter of Support.pdf
nmsu-bsai-dr-jeffrey.pdf

Accreditation

Is the program seeking specialized accreditation?

No

Is specialized accreditation required for licensure or practice in the program?

No

Has the program already obtained the appropriate specialized accreditation? If so, attach a copy of the letter from the agency granting accreditation?

No

If the program has not yet obtained accreditation but has begun the process of seeking or plans to seek specialized accreditation, specify the name of the agency and provide the time-line for completing the process.

The BS-AI degree program is new. Within the United States, there are less than 15 schools which offer a BS-AI degree program. Therefore, there exists not yet a specialized accrediting organization for this program. For this reason, the program has not yet obtained accreditation and will not seek or plan to seek specialized accreditation before such an accreditation program exists.

If the program does not plan to seek specialized accreditation, provide a rational for not-seeking accreditation here. (if there is not a specialized accrediting organization for this program, indicate so as your rationale).

As stated above, the BS-AI degree program is relatively new. Within the United States, there are less than 15 schools which offer a BS-AI degree program. Therefore, there exists no specialized accrediting organization for this program. It is expected that ABET, the accreditation agency for computer science related programs, will eventually develop the accreditation criteria for this program. The department will evaluate the criteria and decide on whether to seek accreditation for the program whenever it is available.

If the program includes any of the following, explain how it will ensure that student work and levels of knowledge competencies achieved will be comparable to those achieved through traditional formats: (Award credit for prior learning; use of compressed time frames; use of on-line deliver; inclusion of accelerated formats; or other approaches to learning.)

The program is intended to be a traditional, in-person program. Therefore, prior learning can be awarded credits in accordance to NMSU's regulation. The program will provide a path-way for students to enroll in the accelerated master program of the Computer Science department.

Will the program be part of a contractual or consortial arrangement (yes/no, explain)?

No. There is no such arrangement.

If the program is planning any involvement by external organizations (other than from accredited higher education institutions) in the key operations as identified below, provide the information as requested.

Type of Involvement	Name of External Organization	Percent of Involvement
Recruitment and admissions of students	Not applicable	0

Briefly describe the planning process for determining the need for this new program, including the role of faculty in the planning and approval process.

Several departmental meetings have been organized to discuss about the need of this new program. After this, a vote to approve the introduction of the program was conducted and 100% of the faculty voted for the introduction of this new program in a vote (see approval of the faculty).

Describe the process for assessing and improving student learning in the proposed program.

As all academic programs at NMSU, we expect that the BS-AI program to be formally reviewed every year, through the development of a self-study and, potentially, an external evaluation. Students completing the BS-AI program are required to complete either a thesis or a capstone project, which requires multiple reviewers among the faculty involved in the program. In both cases, the course objectives will encompass the student learning outcomes for the program.

Students are required to complete an Artificial Intelligence Portfolio in addition to those courses defined within the program. Students construct a portfolio from the AI related projects completed as part of the major course requirements portion of the program. The portfolio is intended to enable assessment of those learning outcomes that are best assessed in an integrative fashion, spanning all of the students course work and therefore reflects overall academic growth.

Describe the process for assessing and improving student persistence and completion, in the new program.

The department will take advantage of the yearly evaluation of the program and identify potential road blocks for students (e.g., courses with high FW percentage) that might hinder or slow down the progress of students. This will allow the department to identify the issues that affect students' learning and then develop effective measures to address these issues (e.g., applying novel teaching methodologies).

The department will also apply existing measures that have proved to be effective in helping students in other programs (BS in CS, BS in Cybersecurity, BA in CS). We will appoint to each student an advisor after their freshman year who will discuss the choice of courses, the sequence of courses, etc. and advise students before they register for the next semester. This practice has helped students to achieve shortest possible time to graduation. In addition, we also provide students with training sessions for job interview and job opportunity information.

If any of the institution's accreditation relationship (including other regional, specialized, or national accrediting agencies) are currently under or recommended for a negative status or action (e.g., withdrawal, probation, sanction, warning, show-cause, etc.)

None

If the institution is undergoing or facing substantial monitoring, special review or financial restrictions from the U.S. Department of Education or other federal or state government agencies.

Not applicable

If the institution's senior leadership or board membership has experienced substantial resignations or removals in the past year.

Not applicable

If the institution is experiencing financial difficulty through conditions, such as, a currently declared state of exigency, a deficit of 10% or more, a default or failure to make payroll during the past year, or consecutive deficits in the two most recent years.

Not applicable

Institution Specific Information Area

Primary target audience for the program (e.g., full#time, part#time, traditional college age, working adults, transfer students, military personnel, or particular ethnic group)

The BS-AI program will be available to all interested individuals who successfully meet the NMSU admissions criteria established for the program. The program will be open to full-time and part-time students. All applicants must be high school graduates and take an admissions test to establish reading, writing, and math abilities. No restriction will be made regarding race, creed, gender or age. The program will draw students primarily from New Mexico and West Texas. The opportunities for employment in the field will be both regional (New Mexico) as well as national. The program also will appeal to people already in the workforce who have experience in Artificial Intelligence and are seeking additional training so they can increase their skill level and become prepared for additional job opportunities in these growing career fields.

How does the proposed program align with the department, college and university mission?

The specific goals from LEADS 2025 that will benefit from the BS-AI program are:

• Enhance Student Success & Social Mobility
– (KPI 1) Enrollment Growth: We expect this program to attract an audience that has not been considered so far within the state —high school graduates that have an interest in Artificial Intelligence careers, as well as transfer students (e.g., from regional community colleges) that seek this type of training. No other degree program in the state is in effect with analogous goals, while the demand for trained professional is growing at a rapid pace. We expect this program to contribute to growth in the enrollment of the institution.
Graduate Enrollment: we propose to align the novel BS-AI program with existing graduate programs (e.g., MS in Computer Science) to facilitate transition to graduate studies upon graduation. Students attending the BS-AI program will be provided with the opportunities to enter the accelerated BS programs in the MS in CS program. The BS-AI program will also represent a new avenue to secure STEM degrees at NMSU.
– (KPI 2) Student Success: The BS-AI program will continue the practices that have been employed by the Computer Science department to engage with students (e.g., organizing regular programming competition), to enhance student life climate, health and wellness, and professional development leading (e.g., inviting colloquia speakers) to improved academic and career outcomes.

• Elevate Research & Creativity The BS-AI program will bring together researchers with diverse expertise but shared interest in the general area of artificial intelligence; we expect this to lead to new collaborations that eventually will produce new research contributions, publications, and grant proposals. This will significantly contribute to the following KPIs:
– (KPI 1) Research and development expenditures: by creating new opportunities for faculty to develop grant proposals.
– (KPI 2) Carnegie R1 index : by increasing the amount of fundings and the number of Ph.D. students.

• Amplify Outreach & Extension
– (KPI 1) Outreach & Extension Expenditures: an essential component of the BS-AI effort will be to compose its recruitment activities with initiatives aimed at promoting awareness of issues of Artificial Intelligence within the local community.
– (KPI 2) Outreach Impact Index: The outstanding job opportunities in the field of Artificial Intelligence will guarantee that our graduates will have access to excellent and rewarding careers.

• Build A Robust University System

The degree program will build a recruitment plan that will promote awareness and interest towards careers in Artificial Intelligence within local K-12 schools (e.g., Las Cruces, Gadsden, Hatch), with the goal of engaging students from groups who have been traditionally underrepresented in the computing and engineering domains (e.g., students of Hispanic background, women).

Discuss how admissions criteria and strategies will recruit a diverse student body?

We will market the program broadly to help ensure diverse cohorts of students. Given the diversity of students in the school systems that feed into our undergraduate programs (e.g., Las Cruces Public Schools, Gadsden Independent Schools), we will encourage students from groups that are traditionally underrepresented in Artificial Intelligence to participate in the BS-AI program. These groups include students of Hispanic heritage and women. We will build on and expand our existing K-12 outreach programs that have been specifically designed to serve these student populations (e.g., the Computing Alliance of Hispanic Serving Institutions, the Young Women in Computing Program).

The Department of Computer Science has a long-standing commitment to serve a very diverse student population. NMSU Computer Science has launched and supports a wide range of initiatives to promote recruitment, training, and retention of students from traditionally under-represented backgrounds. These projects include outreach programs (e.g., programs for middle-school and high-school students), training and motivational events (e.g., a year-around set of activities for cohorts of high school women), and solid links with local high schools and community colleges, and collaborations with Hispanic-Serving Institutions across the nation (e.g., NMSU is one of the leading institutions in the Computing Alliance of Hispanic Serving Institutions).

It is important to underline the importance of the development of this type of program in a region like New Mexico. The field of computing in general, and Artificial Intelligence in particular, is still witnessing a severe under-representation of women and of students from traditionally under-represented ethnic groups. In particular, less than 18% of undergraduate computing degrees are of women; 7.5% of undergraduate computing degrees are awarded to Hispanic students (parity would be 17%). The diversity in the population of New Mexico, and in particular the diversity offered by our local school systems, offer an untapped pool of talent on which to build a successful and strong program, laying the foundations for bringing New Mexico to the forefront of training in artificial intelligence.

What controls are in place to ensure that the information presented to all constituencies in advertising, brochures, and other communications will be accurate?

All advertising materials will be sent to university's approval authorities before use.

Student Records Office Uploads

HLC wants CIP Code information that is currently being offered at both the institutional and degree level for 4-digit and 2-digit CIP codes for all new programs. This information will be provided by the University Student Records office and added to the form during the HED submissions workflow step.

Key: 999

Yu-Feng (Winnie) Lee, Ph.D.
Department Head; Professor of Economics
Director of Doctor of Economic Development (DED) Program
Department of Economics, Applied Statistics, and International Business
New Mexico State University
Box 30001, MSC 3CQ
Las Cruces NM 88003

June 18th, 2024

To whom it may concern:

As the head of the Department of Economics, Applied Statistics and International Business at NMSU, I support our department courses being listed in the Bachelor of Science in Artificial Intelligence program curriculum.

Best,

Yu-Feng (Winnie) Lee
E-mail: wlin@nmsu.edu
Phone: 575-646-3750

College of Business
Accounting and Information Systems, MSC 3DH
New Mexico State University
P.O. Box 30001
Las Cruces, NM 88003-8001

June 27, 2024

To whom it may concern:

As the head of the Department of Accounting and Information Systems at NMSU, I support the following Information Systems courses in our department being listed as electives in the Bachelor of Science in Artificial Intelligence program curriculum.

BCIS 482 Management of Information Security
BCIS 461 Business Analytics I
BCIS 466 Business Analytics II

Sincerely,

Kevin Melendrez
Department Head
Accounting and IS
College of Business
New Mexico State University

Los Alamos NATIONAL LABORATORY
National Security Education Center

David L. Clark
Laboratory Fellow
Los Alamos National Laboratory
Los Alamos, NM 87544
June 23, 2024

Dr. Enrico Pontelli
Dean of College Arts & Sciences
New Mexico State University
Las Cruces, New Mexico

Dear Dr. Pontelli,

With the recent advances in Artificial Intelligence, education and training of a future workforce proficient in its fundamental principles and applications is extremely crucial. We anticipate AI principles and AI-driven technologies and platforms, ethics, and fairness to play a significant and expansive cross-cutting role in higher education across disciplines. The proposed Bachelor's in Artificial Intelligence (BSAI) program by the NMSU's Computer Science Department is timely, essential, and is a great step towards meeting the demand in the field of AI. We expect these demands to grow as AI technologies become more integral across academia, industry and government.

We welcome and support the BSAI program at NMSU as it opens up a new pool of potential recruits for the Laboratory, well trained and educated to support the nuclear stewardship and non-proliferation mission of Los Alamos National Laboratory.

Sincerely,

David L. Clark, Laboratory Fellow
Director, National Security Education Center (NSEC)
dlclark@lanl.gov

Monday, June 17, 2024 at 15:56:40 Mountain Daylight Time

Subject: Re: Request your approval to add EE courses to be listed in our BS in AI program proposal
Date: Monday, June 17, 2024 at 3:55:19 PM Mountain Daylight Time
From: Steve Stochaj
To: Huiping Cao

Sorry for being unclear; EE 406, 408, and 444 are good to add.

Steve

> On Jun 17, 2024, at 3:45PM, Huiping Cao <hcao@nmsu.edu> wrote:
>
> Hi Steve,
>
> Thank you very much for your quick response and the extra information.
>
> Based on your information, we will remove E E 443 Mobile Application Development from the proposal then. We will put the offering time/mode of EE 446 and 465 in our internal advising file that we will use when we need to advise students.
>
> Do you see any other problems of including E E 406, 408, and 444? Or, do you recommend not adding those courses to the elective list?
>
> Thanks,
> Huiping
>
> ---
>
> **From:** Steve Stochaj <sstochaj@nmsu.edu>
> **Date:** Monday, June 17, 2024 at 3:39 PM
> **To:** Huiping Cao <hcao@nmsu.edu>
> **Subject:** Re: Request your approval to add EE courses to be listed in our BS in AI program proposal
>
> Hi Huiping,
>
> E E 443 Mobile Application Development 3 is an old course, and we have trouble finding an instructor. It might be best to omit this course. EE 446 and 465 have online versions and should be offered nearly every semester.
>
> Steve

On Jun 17, 2024, at 3:35 PM, Huiping Cao <hcao@nmsu.edu> wrote:

Hello Steve,
Hope that your summer goes well!
The computer science department is working on a proposal to create a Bachelor of Science in Artificial Intelligence (BS in AI) program. We know that many departments in the university offer courses that can contribute to different aspects of AI. Thus, we are trying to leverage the current existing efforts and contribute back to the different departments (through credit hours). From your department, we have identified several courses that would be great electives for the students in the degree program.

The identified courses are
E E 406 Quantum Computing 3
E E 408 Noncooperative Game Theory 3
E E 444 Advanced Image Processing 3
E E 443 Mobile Application Development 3
E E 446 Digital Image Processing 3
E E 465 Machine Learning I

We understand that these courses may require different prerequisites. When we advise students, we will let the students know that they need to fulfill the prerequisites before taking these courses to be successful.

I am writing to request your approval of adding these courses to the list of elective courses in the proposed degree program. I am attaching a template for this letter with boiler plate language for your reference. I will be happy to talk with you more in your convenient time if you have any questions/concerns.

Thank you in advance for your support.
Huiping Cao
=======
Pronouns: she / her / hers
Professor, Interim Department Head
Computer Science
New Mexico State University
Tel: (575) 646-4600
Fax: (575) 646-1002
Email: hcao@nmsu.edu

Homepage: http://www.cs.nmsu.edu/~hcao/
Zoom meeting: https://nmsu.zoom.us/j/8549600124
Office: Science Hall 123

<boilerplate_language.docx>

College of Engineering
Department of Engineering Technology and Surveying Engineering,
New Mexico State University
Box 30001, MSC 3566
Las Cruces, NM 88003-8001
Tel: (575) 646-2236 Fax: (575) 646-6107
E-mail: etse@nmsu.edu

MEMORANDUM

TO: Huiping Cao, Interim Department Head
Computer Science

FROM: Gabe V. Garcia, Department Head *gvg*
Engineering Technology and Surveying Engineering

DATE: Tuesday, June 18, 2024

SUBJECT: **Support of Bachelor of Science in Artificial Intelligence**

To whom it may concern:

As the head of the Department of Engineering Technology and Survey Engineering at NMSU, I support our department courses, ICT 439 and ICT 450, being listed in the Bachelor of Science in Artificial Intelligence program curriculum.

To: Dr. Enrico Pontelli
Dean of College Arts & Sciences
New Mexico State University
Las Cruces, New Mexico

Dear Dr. Pontelli,

With the recent advances in Artificial Intelligence, educating and training a future workforce proficient in its fundamental principles and applications is extremely crucial. We anticipate AI principles and AI-driven technologies and platforms, ethics, and fairness to play a significant and expansive cross-cutting role in higher education across disciplines. The proposed Bachelor's in Artificial Intelligence (BSAI) program by the NMSU's Computer Science Department is timely, essential, and is a great step towards meeting the demand in the field of AI. We expect these demands to grow as AI technologies become more integral across academia, industry and government. We welcome and support the BSAI program at NMSU.

Yours Sincerely,

Qixu Gong

Qixu Gong
Cisco Systems, Inc.
170 West Tasman Dr., San Jose, CA 95134 USA

Google LLC
1600 Amphitheatre
Parkway
Mountain View, CA 94043

650 253-0000 main
Google.com

To: Dr. Enrico Pontelli
Dean of College Arts & Sciences
New Mexico State University
Las Cruces, New Mexico

Dear Dr. Pontelli,

With the recent advances in Artificial Intelligence, educating and training a future workforce proficient in its fundamental principles and applications is extremely crucial. We anticipate AI principles and AI-driven technologies and platforms, ethics, and fairness to play a significant and expansive cross-cutting role in higher education across disciplines. The proposed Bachelor's in Artificial Intelligence (BSAI) program by the NMSU's Computer Science Department is timely, essential, and is a great step towards meeting the demand in the field of AI. We expect these demands to grow as AI technologies become more integral across academia, industry and government. We welcome and support the BSAI program at NMSU.

Yours Sincerely, 

Yifan Hao, Software Engineer
327 Catamaran St,
FOSTER CITY, CA 94404

To: Dr. Enrico Pontelli
Dean of College Arts & Sciences
New Mexico State University
Las Cruces, New Mexico

Dear Dr. Pontelli,
With the recent advances in Artificial Intelligence, educating and training a future workforce proficient in its fundamental principles and applications is extremely crucial. We anticipate AI principles and AI-driven technologies and platforms, ethics, and fairness to play a significant and expansive cross-cutting role in higher education across disciplines. The proposed Bachelor's in Artificial Intelligence (BSAI) program by the NMSU's Computer Science Department is timely, essential, and is a great step towards meeting the demand in the field of AI. We expect these demands to grow as AI technologies become more integral across academia, industry and government. We welcome and support the BSAI program at NMSU.

Yours Sincerely,

Javed Akhtar | Module Engineer
Intel Fab 9 Die Prep
Email: javed.akhtar@intel.com
Phone: +1 575-642-9224

Meta

1 Hacker Way
Menlo Park, CA 94025
United States

Dear Dr. Pontelli,

This is Chuan Hu. I graduated from NMSU's CS department with a PhD degree in 2017. After that, I worked as an AI scientist at Microsoft and Meta. My role involves applying State-of-The-Art (SOTA) AI research results to improve solutions across various sectors, including search engines, drug discovery/manufacturing processes, clinical trial patient recruitment, and more. With recent advances in Artificial Intelligence, especially Large Language Models (LLMs) and multi-modality large foundation models like GPT-4 and Llama3, a collective of frontier researchers and industry leaders forecasts that the 4th wave of the Industrial Revolution is around the corner. As an AI scientist, I have also firsthand witnessed the paradigm shift from the last generation's pretrain-then-finetune solutions to LLM-based contextual learning solutions in my daily work. I believe that knowledge in AI theory and technology is the key to career success in the next decades. To prepare our students for the coming change in both academia and industry, it is necessary to introduce more AI-related education into undergraduate programs. I heard from Dr. Cao that the NMSU CS department is preparing the Bachelor in Artificial Intelligence (BSAI) program. I am really glad to see our department catching up with this emerging trend. Undoubtedly, this BSAI program will equip our students with a competitive edge in academia and industry alike.

Chuan Hu
chuanhu@meta.com
Research Scientist @ Meta 2023 - now
Applied Scientists @ Microsoft 2017 - now
PhD in CS @ NMSU 2012 - 2017

Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399

Tel 425 882 8080
Fax 425 706 7329
www.microsoft.com

Microsoft

To: Dr. Enrico Pontelli
Dean of College Arts & Sciences
New Mexico State University
Las Cruces, New Mexico

Dear Dr. Pontelli,

I am a Principal Software Engineering Manager at Microsoft Security Division. We use AI technologies to identify security threats and protect all services and solutions across Microsoft that billions of users worldwide rely on for their daily work.

With the recent advances in Artificial Intelligence, educating and training a future workforce proficient in its fundamental principles and applications is extremely crucial. We anticipate AI principles and AI-driven technologies and platforms, ethics, and fairness to play a significant and expansive cross-cutting role in higher education across disciplines. The proposed Bachelor's in Artificial Intelligence (BSAI) program by the NMSU's Computer Science Department is timely, essential, and is a great step towards meeting the demand in the field of AI. We expect these demands to grow as AI technologies become more integral across academia, industry and government. We welcome and support the BSAI program at NMSU.

Yours Sincerely,

Lingwei Li
Principal Software Engineering Manager
Microsoft Security
Microsoft Studio B, 15101 NE 40th Street, Redmond 98052, WA

Thursday, June 27, 2024 at 15:26:38 Mountain Daylight Time

Subject: Re: Request your approval to add ME courses to be listed in our BS in AI program proposal
Date: Thursday, June 27, 2024 at 3:26:29 PM Mountain Daylight Time
From: Huiping Cao
To: Mahdi Haghshenas Jaryani
CC: Son Tran, Jay Frankel

Hi Mahdi,

Thank you for your response.
Sounds good then. Then, we will add this course to our proposal.

Thank you for your support to this effort.
Huiping

From: Mahdi Haghshenas Jaryani <mahdihj@nmsu.edu>
Date: Thursday, June 27, 2024 at 3:25 PM
To: Huiping Cao <hcao@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>, Jay Frankel <jfrankel@nmsu.edu>
Subject: RE: Request your approval to add ME courses to be listed in our BS in AI program proposal

I think up to five students should be feasible for the first few years.

Mahdi Haghshenas-Jaryani, Ph.D.
Assistant Professor
Department of Mechanical & Aerospace Engineering
New Mexico State University
1040 South Horeshoe Street
Jet Hall 230
Las Cruces, NM 88003
mahdihj@nmsu.edu
office: 575-646-5698

From: Huiping Cao <hcao@nmsu.edu>
Sent: Thursday, June 27, 2024 2:52 PM
To: Mahdi Haghshenas Jaryani <mahdihj@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>; Jay Frankel <jfrankel@nmsu.edu>
Subject: Re: Request your approval to add ME courses to be listed in our BS in AI program proposal

Dear Mahdi,

May I know what you think about the number of students issue?

Thanks,
Huiping

From: Huiping Cao <hcao@nmsu.edu>
Date: Tuesday, June 25, 2024 at 1:55 PM
To: Mahdi Haghshenas Jaryani <mahdihj@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>, Jay Frankel <jfrankel@nmsu.edu>
Subject: Re: Request your approval to add ME courses to be listed in our BS in AI program proposal

Dear Mahdi,

Thank you very much for your quick response and the clarifications.

Regarding the number of students, we currently do not have a good number yet. I foresee that 1-5 students in one semester are possible in the first several years of the program. If too many CS students are requesting taking this course, I think that your department (or you) can constrain the number of CS students in your course as a temporary solution. (We understand that you need to serve students in your department first.) Or, if the trend is that more CS students want to take the course (we can ask for your information and we can get some sense about this during advising), I think that the CS department need to do something to contribute to the course. At that time, we should sit down to figure out a better solution. Does this sound reasonable?

About the content and the course focus, we totally understand that the CS students need to follow what you will teach. We do not expect that you change anything to cater to the needs of the CS students.

Thank you again for your support to our program.
Huiping

From: Mahdi Haghshenas Jaryani <mahdihj@nmsu.edu>
Date: Tuesday, June 25, 2024 at 1:31 PM
To: Huiping Cao <hcao@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>, Jay Frankel <jfrankel@nmsu.edu>
Subject: RE: Request your approval to add ME courses to be listed in our BS in AI program proposal

Dear Huiping,

It's great to hear that the CS department is planning an AI undergraduate program and degree. Regarding your question, I developed and added this course to the MAE curriculum, and I am currently the only one who teaches it in the department every Spring semester.

The main concern would be the logistics (space and number of students per equipment) since this course has hands-on learning elements and is offered in a specific classroom with limited space and number of robots. How many students would you expect to register from the CS department for this

course?

Besides that, I told Jay yesterday that we should clarify two aspects of this course. First, this course will be offered only in person (no online elements are planned for at least the near future). Second, the course materials are mainly developed for mechanical engineering students; however, I get students from other engineering disciplines, and so far, it has been a good experience. However, it should be clarified for the CS students that whoever takes this course will be introduced to the more physical side of robots and their operation in the environment. I plan to add more course materials about vision-based motion planning/tracking and some ground mobile robot elements to broaden the topics for general students interested in robotics.

Please let me know if you have any questions or need further information.

Best regards,
Mahdi

Mahdi Haghshenas-Jaryani, Ph.D.
Assistant Professor
Mechanical & Aerospace Engineering Department
New Mexico State University
Las Cruces, NM 88003
mahdihj@nmsu.edu
office: 575-646-5698

From: Huiping Cao <hcao@nmsu.edu>
Sent: Tuesday, June 25, 2024 11:56 AM
To: Mahdi Haghshenas Jaryani <mahdihj@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>
Subject: Re: Request your approval to add ME courses to be listed in our BS in AI program proposal

Hello Mahdi,

Hope that this email finds you well.

The CS department is working on a proposal of creating a Bachelor of Science in Artificial Intelligence (BS in AI) program. We are trying to reach out to your department to see whether we can add one course “M E 486 Introduction to Robotics” to our curriculum. I sent emails to Jay. He suggested that that we directly reach out to you.

May I ask whether you generally teach this course? Also, I will be happy to discuss with you any questions/concerns you have.

Best,
Huiping Cao

From: Jay Frankel <jfrankel@nmsu.edu>
Date: Tuesday, June 25, 2024 at 11:50 AM
To: Huiping Cao <hcao@nmsu.edu>

Subject: Re: Request your approval to add ME courses to be listed in our BS in AI program proposal

Mahdi came by and asked about it yesterday. He was the only one who had contacted me. I thought he and you already talked. Can you reach out directly to him. He may have a question or two.

From: Huiping Cao <hcao@nmsu.edu>
Sent: Tuesday, June 25, 2024 11:47 AM
To: Jay Frankel <jfrankel@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>
Subject: Re: Request your approval to add ME courses to be listed in our BS in AI program proposal

Hello Jay,

I did not get any input from your faculty.

Probably we do not need to get every faculty's input. What we need for this proposal is putting ONE course "M E 486 Introduction to Robotics" to our curriculum. May I ask which faculty member generally teaches this course and whether they are ok with adding this course (they need to keep in mind that some CS students will take this course in the future)?

Thanks,
Huiping

From: Jay Frankel <jfrankel@nmsu.edu>
Date: Friday, June 21, 2024 at 12:55 PM
To: mae-faculty@lists.nmsu.edu <mae-faculty@lists.nmsu.edu>
Cc: Huiping Cao <hcao@nmsu.edu>, Son Tran <stran@nmsu.edu>
Subject: Fw: Request your approval to add ME courses to be listed in our BS in AI program proposal

Hello ALL

Please note the email from Professor Cao concerning an AI Program. As this is summer, and for rapid responses, please contact Dr. Cao directly (but CC me) in order to expedite a global/departmental response. This is a hot topic and please consider this discussion as an important item for the university spanning several colleges. The Dean's level and above are highly interested in this emerging area for both educational and research opportunities.

jay

From: Huiping Cao <hcao@nmsu.edu>
Sent: Monday, June 17, 2024 3:31 PM
To: Jay Frankel <jfrankel@nmsu.edu>
Cc: Son Tran <>
Subject: Request your approval to add ME courses to be listed in our BS in AI program proposal

Hello Jay,

Hope that your summer goes well.

The computer science department is working on a proposal to create a Bachelor of Science in Artificial Intelligence (BS in AI) program. We know that many departments in the university offer courses that can contribute to different aspects of AI. Thus, we are trying to leverage the current existing efforts and contribute back to the different departments (through credit hours). From your department, we have identified one course (M E 486 Introduction to Robotics) that would be great electives for the students in the degree program.

I am writing to request your approval of adding this course to the list of elective courses in our proposed degree program. I am attaching a template for this letter with boiler plate language for your reference. I will be happy to talk with you more if you have any questions/concerns.

Thank you in advance for your support.

Huiping Cao

=======

Pronouns: she / her / hers

Professor, Interim Department Head

Computer Science

New Mexico State University

Tel: (575) 646-4600

Fax: (575) 646-1002

Email: hcao@nmsu.edu

Homepage: http://www.cs.nmsu.edu/~hcao/

Zoom meeting: https://nmsu.zoom.us/j/8549600124

Office: Science Hall 123

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LINCOLN LABORATORY

244 WOOD STREET
LEXINGTON, MASSACHUSETTS 02420-9185

June 5th, 2024

To Whomever It May Concern,

I am writing to strongly endorse the new BS-AI degree program proposed by the Computer Science Department at New Mexico State University. This new program addresses the key system and technical elements in Artificial Intelligence (AI).

The proposed BS-AI program is designed to equip students with the skills and knowledge needed to thrive in the rapidly evolving field of AI. The importance of AI in today's workforce cannot be overstated. As industries across the globe continue to integrate AI technologies, the demand for professionals with expertise in AI is skyrocketing. AI is transforming sectors such as national security, transportation, healthcare, finance, manufacturing, to name a few, driving innovation, improving efficiencies, and creating new opportunities.

New Mexico State University's BS-AI program aims to meet this growing demand by providing a comprehensive education that covers the fundamentals of AI, machine learning, data science, and responsible AI considerations. Students will gain hands-on experience with the latest AI tools and technologies, preparing them to tackle real-world challenges and lead the future of AI development. I believe that this new BS-AI program will not only benefit the students but also contribute to the advancement of AI and its applications, ultimately benefiting society as a whole.

Sincerely,

David R. Martinez

David R. Martinez; Cell #: 603-320-5764
MIT Lincoln Laboratory Fellow and MIT AI Lecturer
New Mexico State University Alum, Class of ‘76

UNIVERSITY of VIRGINIA

SCHOOL of ENGINEERING
& APPLIED SCIENCE

Date: June 3, 2024

To Whom It May Concern:

With the present letter, I would like to provide my **strongest possible** endorsement on the plan proposed by New Mexico State University to establish a novel Bachelor of Science degree in Artificial Intelligence.

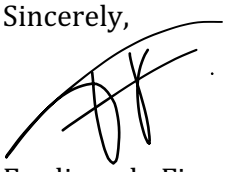
First let me provide a short introduction about myself. My name is Dr. Ferdinando Fioretto and I am currently serving as a tenure-track Assistant Professor in the Department of Computer Science of the University of Virginia. I am a proud graduate of New Mexico State University – I completed both my Master of Science as well as my Ph.D. from NMSU. I lead the Responsible AI for Science and Engineering group where we make advances in Artificial Intelligence with focus on AI for Science and Engineering and Responsible AI. My research work has been recognized by several awards, including a NSF CAREER award, the 2022 Google Research Scholar Award, the 2022 Caspar Bowden PET Award, the 2021 Amazon Research Award, the IJCAI-22 Early Career Spotlight, the 2021 Mario Gerla Young Investigator Award, the 2021 ACP Early Career Researcher Award, the 2017 AI*AI Best AI dissertation award, and several best papers awards.

The field of AI has been growing at an unprecedented pace over the last two years, and it is now clear that AI skills will be crucial to the current and future generations of workforce. AI tools have prominently entered virtually any discipline and the ability to use them effectively and ethically will represent the cornerstone of our future.

I would like to applaud the NMSU team for thinking creatively about how to best position the institution to meet such educational challenge. I am truly convinced that the proposed BS in AI will become a jewel of NMSU's educational portfolio and will place NMSU at the forefront of AI education. The proposed curriculum design reflects best practices in AI education and should equip students with the necessary skills to navigate both the enhancement as well as the application/use of AI technologies to solve problems in any domains.

I would also be happy to **provide my expertise as an advisor** to the NMSU team as they launch this new program. I thank you in advance for your consideration.

Sincerely,



Ferdinando Fioretto
Assistant Professor

NEW MEXICO TECH
SCIENCE • ENGINEERING • RESEARCH UNIVERSITY
Department of Computer Science and Engineering
Cramer Hall 2nd floor
801 Leroy Place
Socorro, New Mexico 87801
(575) 835-5126, fax (575) 835-5587
http://www.cs.nmt.edu

"Excellence in education since 1889"

6/10/2024

To: the New Mexico Higher Education Advisory Committee, and
Whomever it May Concern

Dear Colleagues,

Dr. Son Tran has requested that I write a letter in support of NMSU's proposed BS in AI degree program. NMSU has approximately a fifty-year history of leading the state in artificial intelligence, including many research areas such as natural language processing, knowledge representation, path planning, and the parallelization of AI codes. They have depth and breadth in this field and can approach it as more than just the passing fad that is currently the subject of industry focus and media attention. They also have a strong track record of collaborating with other institutions of higher education around the state. If New Mexico needs a bachelor's degree program in AI, I heartily endorse NMSU as a site where a bachelor's degree program in AI can best thrive and benefit the people of New Mexico.

Sincerely,

Clinton L Jeffery

Clinton L. Jeffery, Ph.D.
Professor and Chair
Department of Computer Science and Engineering
New Mexico Institute of Mining and Technology

Thursday, June 27, 2024 at 14:49:05 Mountain Daylight Time

Subject: Re: Request your approval to add Psychology courses to be listed in our BS in AI program proposal
Date: Tuesday, June 18, 2024 at 9:16:08 AM Mountain Daylight Time
From: Andrew Conway
To: Huiping Cao
CC: Son Tran

Approved

Andrew R. A. Conway, Ph.D.
Professor & Department Head
Department of Psychology
New Mexico State University

Office Phone: 575-646-5130

On Jun 17, 2024, at 3:38 PM, Huiping Cao <hcao@nmsu.edu> wrote:

Hello Andrew,
Hope that your summer goes well!
I know that Son has communicated with you that the computer science department is working on a proposal to create a Bachelor of Science in Artificial Intelligence (BS in AI) program. We know that many departments in the university offer courses that can contribute to different aspects of AI. Thus, we are trying to leverage the current existing efforts and contribute back to the different departments (through credit hours). From your department, we have identified several courses that would be great electives for the students in the degree program.

The identified courses are
PSYC 2220 Cognitive Psychology
PSYC 2250 Brain and Behavior
PSYC 320 Learning
PSYC 380 Perception
PSYC 383 Memory
PSYC 430 Human-Computer Psychology
PSYC 442 Thinking

We understand that these courses may require different prerequisites. When we advise students, we will let the students know that they need to fulfill the prerequisites before taking these courses.

I am writing to request your approval of adding these courses to the list of elective courses in the proposed degree program. I am attaching a template for this letter with boiler plate language for your reference. I will be happy to talk with you more in your convenient time if you have any questions/concerns.

Thank you in advance for your support.
Huiping Cao
=======
Pronouns: she / her / hers
Professor, Interim Department Head
Computer Science
New Mexico State University
Tel: (575) 646-4600
Fax: (575) 646-1002
Email: hcao@nmsu.edu
Homepage: http://www.cs.nmsu.edu/~hcao/
Zoom meeting: https://nmsu.zoom.us/j/8549600124
Office: Science Hall 123

<boilerplate_language.docx>

June 4, 2024

To Whom It May Concern,

As an alumnus of New Mexico State University and a Senior Software Engineer at Cisco Systems, I am writing to endorse the proposed Bachelor of Science in Artificial Intelligence program within the Computer Science department.

In the nine years that I have been immersed in the tech industry, the rise of artificial intelligence has significantly reshaped our approach to software development and system design. It is clear that a deep understanding of AI is no longer optional but essential for those entering the field.

The BS in AI at NMSU would equip students with the critical skills necessary to thrive in a job market that increasingly values AI expertise. By integrating this program, NMSU will prepare graduates to be innovators and leaders in the technology sector.

I am excited about the potential of this program to transform computer science education and I fully support this initiative and look forward to its successful implementation.

Thank you for considering my support for this pivotal addition to the NMSU curriculum.

Warm regards,

Sam McGuinn
.:|:..:|:. Cisco Systems

Monday, June 17, 2024 at 15:58:02 Mountain Daylight Time

Subject: Re: Request your approval to add Sociology courses to be listed in our BS in AI program proposal
Date: Friday, June 14, 2024 at 5:37:44 PM Mountain Daylight Time
From: David G. Ortiz Canseco
To: Huiping Cao
CC: Son Tran

That's perfect, Huiping.
Have a nice weekend!

David G. Ortiz, Ph.D.
Faculty Fellow Center for Latin American and Border Studies (CLABS)
Associate Professor Department of Sociology
New Mexico State University
Science Hall 286
PO Box 30001 MSC 3WSP
Las Cruces, NM 88003
Phone: (575) 646-1299
Fax: (575) 646-7601

BE BOLD. Shape the Future.

New Mexico State University

NMSU Ready. A System-Wide Return to Campus Plan

On Jun 14, 2024, at 4:34PM, Huiping Cao <hcao@nmsu.edu> wrote:

Hi David,

Thank you very much for your quick response!

Thank you for letting us know about the possible problem we may run into. I agree with you about the possible future issue. Some of our popular courses ran into the same situation. The CS department is committed to work with your department to come up with a reasonable solution if the issue of concern emerges in the future so that we can benefit our students and not overload any faculty. We will keep our dean involved as well if we need to solve that problem.

Thanks,
Huiping Cao

From: David G. Ortiz Canseco <dgortiz@nmsu.edu>
Sent: Friday, June 14, 2024 4:25 PM
To: Huiping Cao <hcao@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>
Subject: RE: Request your approval to add Sociology courses to be listed in our BS in AI program proposal

Hi Huping (and Son).

It's good to hear from you!

We will be happy to keep partnering with Computer Science and have our courses included in your new BA in Artificial Intelligence.

However, one thing that I would like to make you aware of (this is a future concern and not a current one, but I think we need to think about it at this stage in case this happens more rapidly than anticipated), is that those courses are some of our most popular courses at both the graduate and undergraduate levels. The regularly fill out and we have to increase our caps on them, and we only currently have two faculty that can teach them as part of their regularly scheduled course load (we will be hiring a third one in the Fall 2025). Further, we offer these courses in a cross-listed format (we cross-list undergraduate and graduate into one course) and offer them in the same semester in an online and an on-campus format. That is, we only get to offer these once every two years and always cross-listed graduate and undergraduate. Since these are already cross-listed with your MA in Data Analytics and will be cross-listed with our newly proposed PhD in Computational Social Science, we might see a high demand issue in the near future where there are not enough seats for our constituencies.

If that starts happening, I see a couple of possible solutions to the issue:

1) We might need to restrict the amount of seats we can offer for undergraduates and graduates from each of our programs in a way that allows our students to enroll; or
2) We might need to create more sections of the courses when there is a need. However, that would require resources. Specifically, hiring an adjunct or giving a faculty member an overload. Would it be possible for your Department to help us by providing one of your adjuncts or funding one of our adjuncts (on a case-by-case basis) to teach one of the courses when there is a need for it (i.e. when we have enough demand from both of our students that warrants opening a new section of it)?

Again, I don't forsee this being an immediate problem, but I do see this likely happening in the future. Especially because these courses are quite popular with both your students and ours and will now be part of so many programs (I count 9 in total; 5 in Sociology and 4 in Computer Science if we count online and on campus separately). I fully undertand that the easiest way to deal with this –if it starts happening— is to place restrictions into the courses and not let students enroll unless with permission from the Department. So, if that is the solution that you prefer, it's fine with us. However, I do think it would be more benefitial to our students to just create additional sections of the courses when they are needed.

I just wanted to put that in your radar and be clear about the possible issues that I see with these courses in the future. Any thoughts?

So, we would be happy to have our courses included in your new BA in Artificial Intelligence, as long as we all agree that if we experience demand issues we we would have to find a solution for them in one of those ways (or maybe others if you think of them).

Best,

David G. Ortiz, Ph.D.
Faculty Fellow Center for Latin American and Border Studies (CLABS)
Interim Department Head/Associate Professor of Sociology
New Mexico State University
Science Hall 286
PO Box 30001 MSC 3WSP
Las Cruces, NM 88003
Phone: (575) 646-1299
Fax: (575) 646-7601

BE BOLD. Shape the Future.
New Mexico State University

Land Acknowledgment: *New Mexico State University honors Native American knowledges and world-views based on intimate relationships to the natural world. The genesis of the Southwest Indigenous Peoples, including the Pueblo, Navajo, and Apache, established their guardianship of the lands now occupied by New Mexico State University. As the state's Land-Grant University, we acknowledge and respect the sovereign Indian Nations and Indigenous Peoples. We pledge to have a meaningful and respectful relationship with the sovereign Indian Nations, Indigenous communities, and Native American Peoples within the institution.*

From: Huiping Cao <hcao@nmsu.edu>
Sent: Friday, June 14, 2024 12:18 PM
To: David G. Ortiz Canseco <dgortiz@nmsu.edu>
Cc: Son Tran <stran@nmsu.edu>
Subject: Request your approval to add Sociology courses to be listed in our BS in AI program proposal

Hi Dr. Ortiz,

Hope that your summer goes well.

The computer science department is planning to create a Bachelor of Science in Artificial Intelligence (BS in AI) program. We are working on the proposal now. We know that many departments in the university offer courses that can contribute to different aspects of AI. Thus, we are trying to leverage the current existing efforts. From Sociology, we have identified several courses that would be great electives for the students in the degree program.

The identified courses are
SOCI 4150 Networked and Connected 3
SOCI 4155 Textual Analysis of Digital and Social Media 3

SOCI 4160 Visualizing Social Life

I am writing to request your approval of adding these courses to the list of elective courses in our proposed degree program. I am attaching a template for this letter with boiler plate language for your reference. I will be happy to talk with you more if you have any questions.

Thank you in advance for your support.

Huiping Cao
=======
Pronouns: she / her / hers
Professor, Interim Department Head
Computer Science
New Mexico State University
Tel: (575) 646-4600
Fax: (575) 646-1002
Email: hcao@nmsu.edu
Homepage: http://www.cs.nmsu.edu/~hcao/
Zoom meeting: https://nmsu.zoom.us/j/8549600124
Office: Science Hall 123

To Whom It May Concern:

I am Dr. Srini Kankanahalli, a proud graduate of New Mexico State University – I completed my Ph.D. from NMSU in in 1991 I am currently serving as CTO and V.P. Of Engineering of **clearAvenue**, LLC (https://www.clearavenue.com). Our company provides solutions to numerous government agencies such as DoD, USCIS, CBP, VA, USDA, and other federal agencies as well as big tech companies such as IBM, Lockheed Martin, etc. Witnessing the recent meteoritic raise of Artificial Intelligence (AI) as the CTO of a technology company, I come to the realization that AI will be ubiquitous sooner rather than later. I have therefore created the AI & ML department within our department to serve the growing need in AI for our customers.

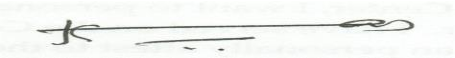
With this letter, I would like to provide my strongest endorsement on the plan proposed by New Mexico State University to establish a novel Bachelor of Science degree in Artificial Intelligence.

The field of AI has been growing at an unprecedented pace over the last two years, and it is now clear that AI skills will be crucial to the current and future generations of workforce. AI tools have prominently entered virtually any discipline and the ability to use them effectively and ethically will represent the cornerstone of our future.

I would like to applaud the NMSU team for thinking creatively about how to best position the institution to meet such educational challenge. I am truly convinced that the proposed BS in AI will become a jewel of NMSU's educational portfolio and will place NMSU at the forefront of AI education. The proposed curriculum design reflect best practices in AI education and should equip students with the necessary skills to navigate both the enhancement as well as the application/use of AI technologies to solve problems in any domains.

I would also be happy to provide my expertise as an advisor to the NMSU team as they launch this new program. I thank you in advance for your consideration.

Sincerely,

By 

Name: Dr. Srini Kankanahalli

Title: CTO, clearAvenue, LLC

Date: 6/14/2024

Gray Decision Intelligence systems accessed June 2024: Summary

The attached data were generated from the Gray DI program evaluation system (PES) and job postings report. The three separate reports address: 1. Program scorecard for CIP code 11.0102, Artificial Intelligence; 2. Growth of degree completions in Artificial Intelligence Bachelor's degree programs (2017-2022), and 3. Availability of jobs in the state of New Mexico for which a bachelor's degree in AI is considered as direct preparation.

The overall score of 2, 69th percentile relative to the New Mexico market among all CIP codes at the bachelor's level is positive but seemingly mediocre compared to the same scorecard for Computer Science, CIP 11.0701with an overall score of 51 ranking it in the 100th percentile. Why would a department offering a traditional program scoring as high as possible want to add an additional program with a relatively low score?

The first part of the answer can be found in the relative scarcity but striking growth in degree programs in AI. The data from 2017 to 2022 shows a growth from 11 total bachelor's degrees awarded under CIP 11.0102 in 2018 to 104 awarded in 2022. This is a small number – the main reason for the mediocre score – but the growth in awards was 10-fold growth over a five-year span, a trend that is expected to continue through the next decade (when on the order of 10,000 bachelor awards in AI will be made nationally) alongside an explosive growth in jobs and job titles for which a degree in AI is not only direct prep, but for which explicit training in AI tools is preferred over other standard computer science knowledge. A few dozen bachelor's programs are offered currently in the US under CIP 11.0102, mostly by elite universities. Many more universities will need to offer such a degree to provide adequate training for the labor market.

Jobs information related to AI is already healthy. In June there were 4,166 postings for jobs in the state of New Mexico under standard occupancy codes (SOCs) for which a bachelor's degree in AI provides direct preparation, with an average salary of $85,357. In comparison, there were 741,748 corresponding jobs posted nationally with an average salary of $99,277, including 99,353 jobs posted in the NM-AZ-CO-TX region with average salary of $95,402. This reflects nearly 5% of the overall market for labor requiring a bachelor's degree, both nationally and regionally, with salaries nearly 150% of the average salary listed for this labor market.

CIP: 11.0102 Artificial Intelligence | Market: New Mexico | Award Level: Bachelors | Select Program

CIP: 11.0102 Artificial Intelligence | Market: New Mexico | Total Score: 2 | Percentile: 69

Student Demand
Score: 9 Percentile: 80

Categ…	Pctl	Criterion	Value	Score
Size	73	Google Search Volume (3 Months)*	179	5
	97	International Page Views (12 Months)	1,…	1
	0	New Student Enrollment Volume (12 Mo.)	0	0
	0	On-ground Completions at In-Market Institutions	0	0
	0	Online Completions by In-Market Students	0	0
	0	Sum of On-ground and Online Completions	0	NS
Gr…	73	Google Search YoY Change (Units)*	9	1
	87	New Student Enrollment Vol. YoY Change (Units)	0	0
	92	Completion Volume YoY Change (Units)	0	2
	73	Google Search YoY Change (%)*	6%	0
		New Student Enrollment Vol. YoY Change (%)	NA	NS
		Completion Volume YoY Change (%)	NA	NS

Competitive Intensity
Score: -3 Percentile: 54

Category	Pctl	Criterion	Value	Score
Volume of In-Market Compe...	0	Campuses with Graduates**	0	-3
	50	Campuses with Grads YoY Change (Units)**	0	-1
	0	Institutions with Online In-Market Students**	0	NS
In-Market Program Sizes		Average Program Completions	NA	NS
		Median Program Completions	NA	NS
		YoY Median Prog. Compl. Change (Units)	NA	NS
		YoY Median Prog. Compl. Change (%)	NA	NS
In-Market Saturat...	0	Google Search * Cost per Click**	$0	1
	87	Google Competition Index**	0.61	0
National Online Compe...	0	National Online Institutions (Units)**	0	0
	0	Nat'l Online % of Institutions	0	0
	0	Nat'l Online % of Completions	0	0

Total Percentile	0	20+	40+	70+	90+	95+	98+	100
Total Score	**-42**	**-9**	**-6**	**3**	**17**	**29**	**43**	**97**

Employment*
Score: 1 Percentile: 76

Category	Pctl	Criterion	Value	Score
Size: Direct Prep	46	Job Postings Total (12 Months)*	4	0
	46	BLS Current Employment*	24	0
	61	BLS Annual Job Openings*	8	0
Size: ACS Bach. Outcomes		Job Postings Total (12 Months)*	NA	NS
		BLS Current Employment*	NA	NS
Growth (Direct Prep)	36	BLS 1-Year Historical Growth*	-0.…	-1
	40	BLS 3-Year Historic Growth (CAGR)*	-3.…	-1
	94	BLS 10-Year Future Growth (CAGR)*	13…	NS
Saturation (Direct Prep)		Job Postings per Graduate*	NA	NS
		BLS Job Openings per Graduate*	NA	NS
Wages (Direct Prep)	83	BLS 10th-Percentile Wages*	$5…	3
	86	BLS Mean Wages*	$9…	NS
National American Community Survey Bachelor's Degree Outcomes		Wages (Age < 30)	NA	NS
		Wages (Age 30-60)	NA	NS
		% with Any Graduate Degree	NA	NS
		% with Masters	NA	NS
		% with Doct/Prof Degree	NA	NS
		% Unemp. (Age <30)**	NA	NS
		% Unemp. (Age 30-60)**	NA	NS
		% in Direct Prep Jobs	NA	NS

CIP Description:
A program that focuses on the symbolic inference, representation, and simulation by computers and software of human learning and reasoning processes and capabilities, and the computer modeling of human motor control and motion. Includes instruction in computing theory, cybernetics, human factors, natural language processing, and applicable aspects of engineering, technology, and specific end-use applications.

** Color Scale in Reverse

Percentile (Reverse)	<02	02+	05+	10+	30+	60+

Degree Fit:
Score: -5 Percentile: 6

Category	Pctl	Criterion	Value	Score
NHEBI Natl 2 Year	1..	Cost Index**	69%	NS
	6..	Student: Faculty Index	105%	NS

National Completions by Level
Score: -5

Award Level	Completions (National)	Completions (Market)	Enrollment (Market)
Certificate	0%	NA	0%
Associates	0%	NA	0%
Bachelors	6%	NA	0%
Postbaccalaureate Certificate	10%	NA	0%
Masters	78%	NA	0%
Post-masters Certificate	0%	NA	100%
Doctoral	6%	NA	0%
Unknown	0%	NA	0%

National Workforce Ed. Attainment
Score: 0

Award Level	BLS Educational Attainment
No College	4%
Some College	10%
Associates	6%
Bachelors	48%
Masters	28%
Doctoral	5%

* - Google search, employment data and Jobs Per Grad Ratio do not filter by award level.
** - Color scale in reverse.
NA - No data available/not currently tracked.
NS - Not Scored in Rubrics (values = 0).
2-Yr - Associates & certificate programs only.
PCTL - Percentile

GRAY ASSOCIATES

GRAY DI | Getting Started | Scoring | Program Rank | Summary | Scorecard | Prog. x Market | Competitors | Data Table | Workplace Req't | Crosswalks | Definitions | Rubric | Competitors

Scorecard Award Level: Bachelors | Scorecard CIP Name: 11.0102 Artificial Intelligence | Scorecard Campus: National

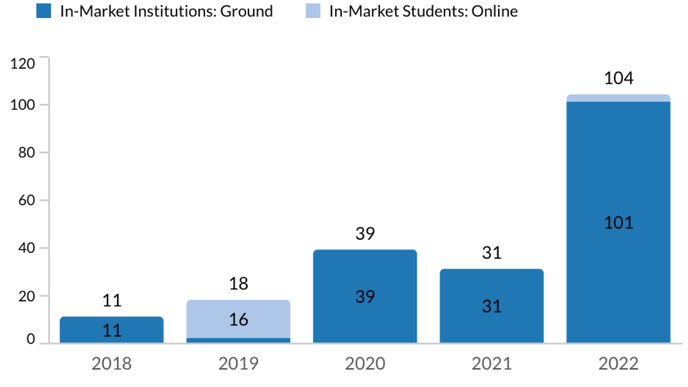
Support

Current Selections:
Market: National
Award Level: Bachelors
CIP Name: 11.0102 Artificial Intelligence

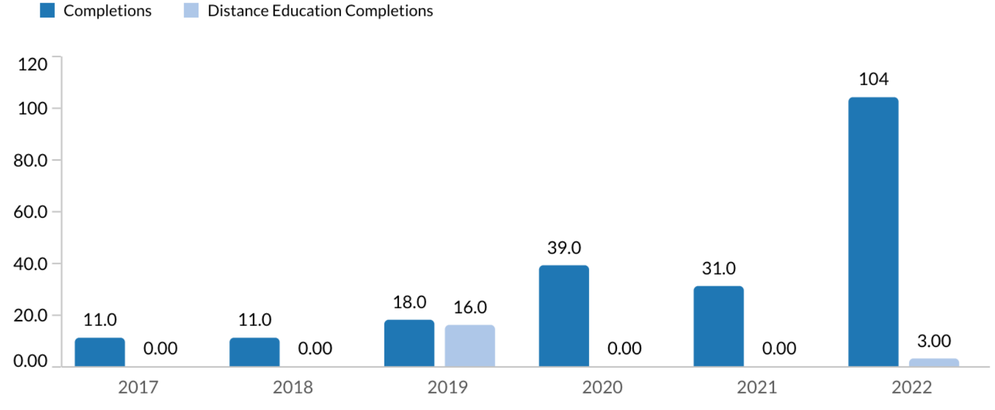
CIP | Award Level | Market | Current Programs | 2 Digit CIP | 4 Digit CIP

Total Completions by In-Market Students

Current Year and Previous Year



Total Completions by In-Market Institutions



Instructions: Select At Least One Dimension And One Metric. Market Dimensions Is Shown If More Than 1 Market Selected.

Institution	2022 Sum of On-Ground and Online Completions
Carnegie Mellon University	38
Concordia University System	5
Full Sail University	8
Illinois Institute of Technology	4
Indiana University	1
Penn State	37
State University of New York System	6
University of Advancing Technology	5

Dimensions

Dimensions

Metrics

Completions

Demographics

Institutional Data

US News

Table Selections

Campus

Institution

GRAY DI | Overview | Trends | Map | Jobs Descriptions Search | Job Postings

Degree_Level: BACHELOR | State: NM | 6-Digit CIP Code and Title: 11.0102: Artificial Intelligence

Jobs	Companies	SOC Job Titles	CIPs Direct Prep	CIPs ACS Bach.	Degree Levels	Avg Salary	Count of Salaries	Skills	Soft Skills	Certifications
4,166	889	7	1	120	1	$85,357	1,506	2,820	229	93

ıdustry | Company | Job Posting Title | Degree Level | Skills | Soft Skills | Certifications | Salary Tier $

tandard Occupational Code (SOC) | CIP Code - Direct Prep. | CIP Code - ACS Bach. Outcomes | State / Terr | County | City | Year | Month

Select Trends Table: Current Month | Trailing 3-Months | Year to Date

Export PDF

ect Table Dimension

- Industry
- CIP Direct Prep.
- CIP ACS Bach.
- Degree Level
- SOC Title
- Job Postings Title
- Company
- State / Terr
- County
- City

Job Postings Trend By SOC Title

Current Month Volume (April 2024)

SOC Title (April 2024)	Volume	Year Over Year Change: Volume	Year Over Year Change: Percentage	Index	Year Over Year Change: Index	Average Salary
Total	**166**	**43**	**34.96%**	-	-	**$85,400**
15-1256 Software Developers, Applications	88	62	238.46%	1.00	0.47	$92,000
15-1299 Computer Occupations, All Other	44	-5	-10.20%	0.50	-0.50	$80,000
15-1211 Computer Systems Analysts	22	-7	-24.14%	0.25	-0.34	$75,500
15-1251 Computer Programmers	8	0	0.00%	0.09	-0.07	$84,500
15-1212 Information Security Analysts	3	-6	-66.67%	0.03	-0.15	$114,900
25-1021 Computer Science Teachers, Postsecondary	1	0	0.00%	0.01	-0.01	$107,000
15-1221 Computer and Information Research Scientists	0	-1	-100.00%	0.00	-0.02	$87,300

Bachelor of Science in Artificial Intelligence

During the department retreat on November 17, 2023, a discussion on the introduction of the degree program was held and a vote for the creation of the program was called. It received the support of 100% of faculty presented at the retreat. More specifically:

- A report on the need and the potential structure of the program was presented by a committee (Dr. Hamilton, Dr. Reynolds, Dr. Le, Dr. Wayllace, Dr. Cao, and Dr. Tran).
- At the end of the discussion, a motion to create the BS in AI Degree Program was made by Dr. Lopez and Dr. Wayllace.
  Dr. Panwar seconded and Dr. Song called for further discussion.
  After further discussion, everyone in the meeting supported the creation of the program.
  No abstain or no vote was recorded.

Faculty presented in the meeting: Dr. Le, Dr. Vishwanathan, Dr. Cook, Dr. Reynolds, Dr. Misra, Dr. Panwar, Dr. Lopez, Dr. Wayllace, Dr. Fabiano, Dr. Hamilton, Dr. Cooper, Dr. Tran, and Dr. Song (all faculty in the department in Fall 2023).
(Dr. Cao was on sabbatical in Fall 2023 and is not required to be present)

A Proposal for a Bachelor of Science Degree Program in Artificial Intelligence at New Mexico State University

Administered by:
Department of Computer Science
College of Arts and Sciences

Contact person who can answer specific questions about the program:

Enrico Pontelli
Dean
College of Arts & Sciences
epontell@nmsu.edu

Son Tran
Professor
Computer Science
stran@nmsu.edu

Huiping Cao
Professor
Computer Science
hcao@nmsu.edu

The proposed **Bachelor of Science in Artificial Intelligence (AI) (BS-AI)** degree program is designed to develop students' expertise in both the foundational as well as the applied aspects of AI. Artificial Intelligence is an inherently interdisciplinary discipline, dealing with computer science, mathematics, psychology, neuroscience, and more. Within computer science, AI spans several areas, such as natural language processing, computer vision, robotics, automated reasoning, probabilistic reasoning, machine learning, high performance computing, and programming languages. AI employs theories, methodologies, and tools drawn from these fields and disciplines and finds applications in virtually every sector of modern life, from economy to government to entertainment and education.

Artificial Intelligence is a very broad and multifaceted field. The emphasis of the proposed BS-AI degree program will be to enable students to address in an analytical and scientific manner problems that are associated to the development of AI solutions. To accomplish this, the BS-AI program will provide students with a strong foundation in machine learning, automated reasoing, human-computer interaction, data mining, natural language processing, autonomous agents, and ethical and societal aspects of AI. The program will provide its graduates with the necessary skills to succeed in any type of jobs that connects to Artificial Intelligence. The presence of hands-on activities within the degree program will prepare students for success in the workplace, contributing to the workforce needs in AI. The methodological foundations will prepare students to advance in their careers as well as prepare them for access to research-oriented careers and advanced degrees.

The goal of the BS-AI degree program is to prepare students to fill a gap in the New Mexico's and national workforce, while becoming leaders in the development of innovative AI-driven solutions. The presence of experiential learning components within the curriculum (e.g., internships, capstone projects) will provide students with the additional professional skills needed to operate in a multidisciplinary, teamwork-oriented, and highly dynamic environment.

The program curriculum has been designed to meet rigorous academic standards, following world-leading AI programs (e.g., Carnegie Mellon University). BS-AI graduates will meet growing employment needs in the New Mexico workforce, including the pressing needs within our National laboratories (e.g., Sandia, Los Alamos) and other nearby federal facilities (e.g., White Sands Missile Range, NASA, Fort Bliss). BS-AI will significantly improve New Mexico's prospect for excellence and national leadership in Artificial Intelligence.

1 Purpose of the Program

1.1 Overview of the Proposed Program

The rise of AI, in particular Generative AI, has been at the forefront of research and development across a broad variety of industries and organizations as well as the attention of global media. It gives raise to debate among researchers, public figures, on TV, almost everywhere and anytime. For several professions, the fear of becoming obsolete is real and keeps increasing since the release of ChatGPT.[1] This does not go unnoticed by the highest offices of the country. In December 2022, the White House published a report on the impact of AI on the future of workforces in the European Union and the USA [13], which surveys the state of AI adoption in the European Union and the USA and provides an extensive discussion of the expected impact of AI on workforce and employment. Several organizations have presented their predictions about the effects of AI on the job market and economy, for example:

- The International Monetary Fund [2] recently published a report which estimates that about 40% of global employment is exposed to AI. This number is higher in the UK and USA: almost 70% and 60% of UK and US employment, respectively, is in AI high-exposure occupations.
- In the 2020 World Economic Forum report [15], it is estimated that *"by 2025, 85 million jobs may be displaced by a shift in the division of labour between humans and machines, while 97 million new roles may emerge that are more adapted to the new division of labour between humans, machines and algorithms."* This has prompt initiatives like the Reskilling Revolution, aimed at preparing 1 Billion people for the jobs of tomorrow's economy [16].

[1] `https://chat.openai.com`

- Researchers from QuantumBlack, AI by McKinsey, published a report [3] that estimates that generative AI could add the equivalent of $2.6 trillion to $4.4 trillion annually across the 63 use cases that were analyzed. It is estimated that the impact of all artificial intelligence would increase by 15% to 40%.
- Bank of America [8] predicts that AI could contribute to the global economy an amount of $900 billion and $15.7 trillion in 2026 and 2030, respectively.
- Goldman Sachs Research [10] predicts that AI could raise global gross domestic product (GDP) by 7%—nearly $7 trillion—and boost productivity growth by 1.5%.
- Resume Builder[11] surveyed 750 business leaders at companies that currently or plan to use AI in 2024 and found that
  - 53% of companies use AI, and 24% plan to start in 2024;
  - 37% of companies using AI say the technology replaced workers this year;
  - 44% of companies surveyed say AI will lead to layoffs in 2024;
  - 96% of companies hiring in 2024 say candidates will benefit from having AI skills; and
  - 83% say AI skills will help current employees retain their jobs.
- The US Census Bureau states that only 3.8% of businesses in the USA use AI to produce goods and services, with the highest use in the information sector [1]. The trend is increasing with 6.5% of businesses planning to use AI in the next six months.

Considering the potential impact of AI in the US and around the world, President Biden signed the *"Executive Order on the Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence"* on October 30, 2023. After three months, on January 29, 2024, the White House announced the *"Key AI Actions"*[2] which details the activities that have been executed within the 90 days of the signing of the Executive Order; one of them is:

> "*Began the EducateAI initiative to help fund educators creating high-quality, inclusive AI educational opportunities at the K-12 through undergraduate levels.* The initiative's launch helps fulfill the Executive Order's charge for NSF to prioritize AI-related workforce development—essential for advancing future AI innovation and ensuring that all Americans can benefit from the opportunities that AI creates."

The above highlights the opportunities and need for a comprehensive education program on AI for all people of all ages and levels. Recruiting companies such as Indeed.com put forwards guides for job seekers interested in AI "*How To Become An Artificial Intelligence Engineer*" indicating that a bachelor degree and additional AI stills are required [5]. A BS-AI degree will help fill this urgent need. Yet, there exist only a few BS-AI degree programs nationwide and none is available for New Mexico and West Texas.

NMSU is uniquely positioned to address these regional and national needs, being a research-oriented institution, with strong and growing educational and research expertise in areas relevant to artificial intelligence; NMSU will be able to prepare students to meet the requirements necessary to embark on challenging and rewarding Artificial Intelligence careers. Computer Science and Engineering degree programs supporting the BS-AI program are all ABET accredited; NMSU's proposed BS-AI program will meet ABET accreditation standards, which are designed to ensure graduates possess the knowledge, skills, and abilities required to meet job expectations. Furthermore, NMSU has already demonstrated commitment to fulfill the broad educational needs of New Mexico in AI, launching state-wide professional development programs in AI for K-12 teachers and graduate programs for working professionals.

From a research perspective, NMSU is the home of a number of federally funded research initiatives that have close ties to artificial intelligence such as the SmartGrid and the AI in Agriculture project, and will provide a solid research foundation to the BS-AI curriculum. From an academic perspective, NMSU offers the BS-AI graduates opportunities to matriculate into postgraduate programs offering masters and

[2] https://www.whitehouse.gov/briefing-room/statements-releases/2024/01/29/fact-sheet-biden-harris-\administration-announces-key-ai-actions-following-president-bidens-landmark-executive-order

doctoral programs in AI-related areas. These relationships and efforts enable our students to fulfill Artificial Intelligence needs in academia and in both the public and private sector. Employment opportunities will continue to be available in both public and private sectors, in areas like machine learning, data science, autonomous and intelligent agents, human computer interaction, robotics, and data visualization.

The BS-AI is expected to become a signature degree program for NMSU. Our primary goal is to develop a flexible degree that:

- Serves students wishing to earn a degree within 120 credit hours; and
- Prepares them for career opportunities or advanced education in Artificial Intelligence.

The program will be naturally multi-disciplinary, engaging content provided by multiple departments and colleges within the university.

The BS-AI degree program is a means to address the need for higher education opportunities in this critical need area. It is anticipated that this new degree program will provide a means to meet the needs of future students, improve enrollment across different colleges, and contribute to the advancement of the institution and the state.

1.2 Program Goals

The BS-AI degree program is in response to the exploding urgent need of Artificial Intelligence professionals in both the public and private sectors. New Mexico State University is uniquely positioned to deliver such a degree, because of existing resources, expertise, and commitment to student success—including faculty members, computing infrastructures, and curriculum and courses within existing colleges and departments. The Bachelor of Science in Artificial Intelligence (BS-AI) is designed to provide students with the necessary preparation to secure employment and develop long-lasting careers in the evolving Artificial Intelligence field or to enter a course of study leading to graduate degrees that rely on solid preparation in Artificial Intelligence.

1.2.1 Vision of the BS-AI Program

The BS-AI program will be the NMSU signature program to provide education and training in Artificial Intelligence and related areas, and the leading undergraduate program in Artificial Intelligence in the state of New Mexico. The degree program will be recognized regionally and nationally as a strong provider of expertise, knowledge, and discovery in Artificial Ingelligence. BS-AI will be recognized for providing ongoing academic leadership in education, research, and practice necessary to develop the future workforce in both technical as well as applied domains capable of meeting the evolving challenges of Artificial Intelligence.

1.2.2 Mission of the BS-AI Program

The Bachelor of Science in Artificial Intelligence program is an effort dedicated to promoting learning and discovery in Artificial Intelligence and related areas of computing and information sciences. The Bachelor of Science in Artificial Intelligence program will prepare computing and IT professionals who are capable of leading technological, methodological and policy changes in industry and government, both locally and nationally, with an emphasis on the development and application of AI technologies. BS-AI will achieve this goal by creating a supportive and instructional learning and research environment, in which students will thrive in exploring the challenges of developing and mastering in-depth knowledge, understanding, and practical skills in the diverse areas that compose the domain of artificial intelligence.

The program of study will explore methodologies and technologies in artificial intelligence. Students in the BS-AI program will have the opportunity to gain hands-on experience and participate in the design, implementation, and execution of AI systems in both laboratory settings as well as in applied domains. To achieve this mission, the BS-AI program faculty will:

- Develop and maintain curriculum necessary to optimize our role of being a bridge between AI technology, management, and society;

- Deploy and deliver the BS-AI curriculum adopting the most effective pedagogical practices and technologies, for both full-time and part-time students; in particular, our curriculum deployment will emphasize the importance of cultural responsiveness in all pedagogical practices;
- Promote appropriate professional responsibility among students, through an multi-disciplinary studies approach;
- Promote learning and professional excellence, to motivate the BS-AI students to become successful Artificial Intelligence practitioners and professionals;
- Ensure the appropriate administration and coordination of course offering to meet the demand for Artificial Intelligence professionals and the development of the future New Mexico's Artificial Intelligence workforce;
- Develop partnerships with external entities (e.g., national laboratories, industry organizations, government, non-profit organizations) to pursue joint educational and training agendas in the areas of AI;
- Pursue educational and funding opportunities in all areas related to artificial intelligence;
- Provide outreach activities to promote awareness, understanding, engagement, and preparation in the areas of artificial intelligence, such as student organizations (e.g., sponsor teams participating in national competitions), K-12 students and teachers (e.g., through summer camps, teacher professional development initiatives), and community organizations.
- Promote Artificial Intelligence collaborations and developments among all stakeholders at NMSU.

1.3 Academic Objectives

The primary academic purpose of this degree program is to develop professional workforce that is prepared to address the needs in the rapidly expanding Artificial Intelligence field. The students will be educated to work and excel in a variety of work settings, including private corporations, national laboratories, government and educational settings. By educating these students we will be supplying a qualified workforce to all organizations which are currently seeking to integrate AI in their work.

The curriculum for the BS-AI program blends contemporary knowledge with advanced research concepts to deliver a cutting edge program. Core courses in computer science, artificial intelligence, machine learning, data mining, human computer interactions, data science, natural language processing, and responsible AI provide the foundations for understanding the basic AI methodologies and applications while exposing students to problem-solving techniques based on AI. With these broad foundations, students can select courses from domain areas that provide both depth and breadth of coverage across a wide variety of topics in artificial intelligence.

The BS-AI program will:

- Produce competent graduates to meet the current and future challenges provided by AI, with a particular emphasis on preparing students to successfully enter the workforce and develop long-term careers.
- The BS-AI program will aid NMSU in gaining a leadership role in the state in the creation and delivery of knowledge in the field of artificial intelligence.
- The BS-AI program will provide a professionally trained workforce to industry, national laboratories, government, and academia in the domain of artificial intelligence. The program will meet the needs of financial, health care, and other related organizations who are in need of skilled Artificial Intelligence graduates.
- The program will help NMSU attract and retain qualified faculty with Artificial Intelligence knowledge.
- The BS-AI program will increase enrollment of undergraduate students with career goals in artificial intelligence.

1.4 Program Curriculum

1.4.1 Admission Requirements

All students must meet the admission requirements for freshmen and/or transfer students as determined by NMSU and documented in the relevant section of the NMSU catalog.

1. Students should meet the minimum of a high school cumulative GPA of 2.75 or being ranked among the top 20% of graduating class, or an ACT composite score of 21 or SAT score of 990 (1060 for new format).[3]

2. Transfer students will need to meet the admission requirements as specified in the relevant section of the NMSU catalog.[4] In particular, students with 30 or more college credits will need to have a cumulative GPA of at least 2.0, while students with 29 or less credits will need to meet freshmen admission requirements and have an overall GPA of at least 2.5.

1.4.2 Curriculum

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education Requirement		
Area I: Communications[1]		
English Composition - Level 1[2]		4
English Composition - Level 2		
ENGL 2210G	Professional & Technical Communication	3
Oral Communication — *Choose one from the following:*		3
COMM 1115G	Introduction to Communication	3
COMM 1130G	Public Speaking	3
HNRS 2175G	Introduction to Communication Honors	3
Area II: Mathematics[3]		
MATH 1430G	Application of Calculus I	3
MATH 1511G	Calculus and Analytic Geometry I	4
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences		10-11
Area III: Laboratory Sciences (4 credits)[2]		4
Area IV: Social/Behavioral Sciences (3 credits)[2]		3
Area III/IV: Laboratory Sciences or Social/Behavioral Sciences (3-4 credits)[2]		3-4
Area V: Humanities[2]		3
Area VI: Creative and Fine Arts[2]		3
General Education Elective[2] There are five Statistics/Applied Statistics courses that can satisfy this requirement (see below)		3-4
Viewing a Wider World[4]		6
Departmental/College Requirements		
C S 172	Computer Science I	4
C S 271	Object Oriented Programming	4
C S 272	Introduction to Data Structures	4
C S 278	Discrete Mathematics for Computer Science	4
C S 281	Practical Programming	3

[3] https://catalogs.nmsu.edu/nmsu/essential-information-students/admissions/.
[4] https://catalogs.nmsu.edu/nmsu/essential-information-students/transfer-undergraduate-students/.

C S 371	Software Development	4
C S 372	Data Structures and Algorithms	4
C S 390	Introduction to Intelligence Systems	3
C S 419	Computing Ethics and Social Implications of Computing[5]	3
C S 448	Senior Project[6]	4
or C S 449	Senior Thesis	
C S 383	Introduction to Deep Learning	3
C S 475	Artificial Intelligence I	3
C S 482	Database Management Systems I	3
C S 487	Applied Machine Learning I	3
C S 488	Introduction to Data Mining	3
Select one of the following		3
C S 391	NLP	3
C S 395	Generative AI	3
Select 9 credits from the following:		9
C S 381	Principles of Virtual Reality	3
C S 382	Modern Web Technologies	3
C S 384	Graph Data Mining	3
C S 477	Digital Game Design	3
C S 485	Human Centered Computing	3
Select 9 credits from the following:[7]		9
C S 380	Introduction to Cryptography	3
C S 473	Architectural Concepts I	3
C S 476	Computer Graphics I	3
C S 478	Computer Security	3
C S 479	Special Topics[8]	6
C S 480	Linux System Administration	3
C S 481	Visual Programming	3
C S 484	Computer Networks I	3
C S 486	Bioinformatics	3
C S 489	Bioinformatics Programming	3
C S 491	Parallel Programming	3
C S 496	Cloud and Edge Computing	3
SOCI 4150	Networked and Connected	3
SOCI 4155	Textual Analysis of Digital and Social Media	3
SOCI 4160	Visualizing Social Life	3
E E 406	Quantum Computing	3
E E 408	Noncooperative Game Theory	3
E E 444	Advanced Image Processing	3
E E 443	Mobile Application Development	3
E E 446	Digital Image Processing	3
E E 465	Machine Learning I	3
I E 425	Supply Chain Modeling and Analysis	3
I E 467	Discrete-Event Simulation Modeling	3
ICT 439	Advanced Digital Forensics and Incident Response	3
ICT 450	Ethical Hacking	3
M E 486	Introduction to Robotics	3
BCIS 482	Management of Information Security	3
BCIS 461	Business Analytics I	3
BCIS 466	Business Analytics II	3
PSYC 2220	Cognitive Psychology	3
PSYC 2250	Brain and Behavior	3
PSYC 320	Learning	3
PSYC 380	Perception	3
PSYC 383	Memory	3
PSYC 430	Human-Computer Psychology	3

PSYC 442	Thinking	3
Non-Departmental Requirements (in addition to Gen.Ed/VWW)		
MATH 1350G	Introduction to Statistics	3
or MATH 2350G	Statistical Methods	3
A ST 311	Statistical Applications	3
STAT 3110	Statistics for Engineers and Scientists	3
STAT 4210	Probability: Theory and Applications	3
Electives to bring the total credits to 120[9]		14
Total Credits		120

[1] Students with Area I transfer credits may sometimes complete this requirement with 9 credits.

[2] See the General Education section of the catalog for a full list of courses.

[3] Either MATH 1430G Applications of Calculus I or MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take any prerequisites needed to enter either first.

[4] See the Viewing a Wider World section of the catalog for a full list of courses.

[5] The current C S 419 course will need to be developed to become a full course for the need of this program.

[6] The project or thesis must be related to AI.

[7] A course can satisfy only one requirement. Courses outside of the department might require additional pre-requisites.

[8] Must be taken for 3 credits to count as a course.

[9] Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.

Suggested Plan of Study

Freshman		Credits
C S 172	Computer Science I	4
C S 271	Object Oriented Programming	4
C S 272	Introduction to Data Structures	4
MATH 1430G	Applications of Calculus I	3
or MATH 1511G	or Calculus and Analytic Geometry I	
ENGL 1110G	Composition I	4
Area III: Laboratory Science Course[1]		3
Area IV: Social/ Behavioral Sciences Course[1]		3
Area V: Humanities Courses[1]		3
Electives as needed to meet the minimum credit requirement for financial aid[2]		2
Credits		30
Sophomore		
C S 278	Discrete Mathematics for Computer Science	4
C S 281	Practical Programming	2
C S 371	Software Development	4
C S 390	Introduction to Intelligent Agents Using Science Fiction	3
ENGL 2210G	Professional and Technical Communication Honors	3
Area III or IV: Laboratory or Social/ Behavioral Science[1]		3
Viewing the Wider World[3]		3
Select one from the following:		3
C S 391	Text Mining and Natural Language Processing	
C S 395	Generative Artificial Intelligence	
Elective credits to meet the minimum credit requirement for financial aid[2]		5
Credits		30
Junior		
C S 372	Data Structures and Algorithms	4
C S 475	Artificial Intelligence I	3
C S 482	Database Management Systems I	3
Elective Courses from List 1 or 2[4]		9
Area 6: Humanities[1]		3
Departmental Requirement[5]		3
Viewing the Wider World[3]		3
Elective credits to meet the minimum credit requirement for financial aid[2]		2
Credits		30
Senior		
C S 448	Senior Project[5]	4
or C S 449	or Senior Thesis	
C S 419	Computing Ethics and Social Implications of Computing[5]	3
C S 487	Applied Machine Learning I	3
C S 488	Introduction to Data Mining	3
Elective Courses from List 1 and 2[4]		9
Upper division electives to bring total upper division to 48		4
Electives as needed to meet minimum credit requirements for financial aid[2]		4
Credits		30
Total Credits		120

[1] See the General Education section of the catalog for a full list of courses.

[2] Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.

[3] See the Viewing a Wider World section of the catalog for a full list of courses.

[4] A course can satisfy only one requirement. Courses outside of the department might require additional pre-requisites. C S 479 must be taken for 3 credits to count as a course.

[5] See catalog description for more detail.

1.4.3 Learning Outcomes

Upon successful completion of this program, graduates will be well positioned to find employment in industries, government, research organizations, national laboratories, etc. Learning outcomes for each of the individual courses will be provided by the instructors of the course, who will have the primary responsibility to see that these outcomes are achieved. The overall goal of the BS in AI program is to prepare students for careers in various industries, information technology, management information systems, including healthcare, finance, national security, and beyond, where expertise in artificial intelligence is increasingly in demand.

1. Demonstrate a solid understanding of the foundational principles of AI and AI algorithms;
2. Be able to analyze complex computing problems and apply AI techniques to them;
3. Design, implement, and evaluate an AI-based solution to meet a set of requirements;
4. Recognize professional responsibilities and make informed judgments in AI practice based on responsible AI principles (e.g., fairness, ethics, safety, trustworthy, etc.);
5. Communicate effectively in a variety of professional contexts;
6. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

1.5 Program Justification

Since its inception in 1956 [6] (see also, [7]), AI has gone through different cycles, from being "the next big thing" to being labeled as "toy or unusable," i.e., from AI Springs to AI Winters. Over the years, several AI applications have been successfully developed and deployed, such as game playing again human (e.g., Chess, Go), weather forecasting, car tracking, autonomous agents, robotics, and self-driving vehicles. Yet, AI has been known, until a few years ago, for being too domain specific, mostly theoretical, or unable to cope with unexpected events. The situation has dramatically changed since the deployment of *generative AI*, via the release of the popular ChatGPT[5].

Nowadays, AI captures the attention of everyone, from C-suite members to workers in factories, university professors to students, global media to any news outlets, researchers of any fields to criminals. High-profile AI-created artifacts, such as paintings or poems, won various contests that were thought of as human's alone; even more alarmingly, an AI-generated manuscript has been accepted by a peer-reviewed scientific venue; fake news and images are now extremely difficult for an average person to distinguish from real ones. Furthermore, equally alarming, is the pace of AI development by other countries, posing a real threat to USA's leading role in the world.

The Executive Order on AI from President Biden [9] makes the case for the creation of a national strategy to develop the workforce and expertise necessary to secure the United States' dominance in AI and to ensure that AI is used in a way that is safe, secure, and beneficial to all people. The existing workforce in the field of AI is predominantly composed of professionals with undergraduate degrees in Computer Science. This is because generative AI is a relatively new area and was not available when the present workforce was in college. Given the increasing market demand for professionals with Artificial Intelligence skills, there is a clear need to develop academic programs that provide a more focused preparation in Artificial Intelligence, thus avoiding the continuing need of supplementing traditional computer science degrees with Artificial Intelligence training. Artificial Intelligence is a multi-faceted and complex discipline, which requires its own formal education programs. The BS-AI program has been designed to provide a strong foundation of principles of Artificial Intelligence and its applications. Since there are legal and ethical aspects of artificial intelligence, that are integral to any solutions, the program is designed to include a strong foundational

[5] `chat.openai.com`

and responsible AI principles, which have been investigated extensively by AI researchers such as fairness, accountability, safety, transparency, ethics, privacy, and security, in the curriculum. The program provides options for students to specialize in advanced Artificial Intelligence skills through electives and special topics courses.

1.6 Need for the Program

There is extensive evidence, reported on a daily basis by news media, that AI will change the workforce and employment. In an article published in April 2023, Forbes Advisor [4] indicates that 77% are concerned that AI will cause job loss in the next year. The World economic forum estimates that 97 million of jobs might be created by AI [15]. McKinsey [3] estimates that 400 million workers could be displaced because of AI between 2016 and 2030 and AI-related advancements may affect around 15% of the global workforce and in 2022, 39% of businesses reported hiring software engineers, and 35% hired data engineers for AI-related positions. An Accenture report forecasts that the manufacturing sector will reap the greatest financial benefit from AI adoption, with a gain of $3.8 trillion expected by 2035.

The need for trained professionals to address this reality is clear. Even more important is the fact that this function cannot be outsourced. The US remains the leading country in AI innovations, yet lagging behind in AI adoption: China leads the world in AI adoption, with 58% of companies deploying AI and 30% considering integration, while the United States has only 25% of companies using AI and 43% exploring its potential applications, according to IBM. The lack of AI professionals contributes significantly to this problem. Thus far, software engineers are employed to support AI-related tasks, but it is not suitable to "on-the-job training," as the consequences of a mistake could be potentially disastrous.

1.6.1 Workforce Needs

With an estimate of 97 million jobs created by AI [15], 400 million workers could be displaced by AI between 2016 and 2030 [3], and the fact that most recent hires for AI positions are software engineers, it is urgent to train a workforce that is trained with fundamental concepts AI and up-to-date AI techniques. AI-related jobs are easily found, e.g., a quick search for "Artificial Intelligence Engineering" on Glassdoor.com returns 6,390 jobs with a salary range between 71K and 233K (March 17, 2024); searching for "Artificial Intelligence Programmer" returns 22,408 jobs with a salary range between 63K and 200K; searching for "Machine Learning Programmer" returns 22,461 jobs with a salary range between 64K and 200K. Many Artificial Intelligence jobs in government require highly specialized Artificial Intelligence skills, such as generative AI applications, deepfake detection, biases detection, that can only be offered as part of a dedicated degree program.

The following excerpt from a report of key actions taken by the U.S. Government in responding to President Biden Executive Order on AI highlights the urgent need for an AI-capable workforce:

- Launched an AI Talent Surge to accelerate hiring AI professionals across the federal government, including a large-scale hiring action for data scientists. The AI and Tech Talent Task Force created by President Biden's Executive Order has spearheaded this hiring action and is coordinating other key initiatives to facilitate the hire of AI talent. The Office of Personnel Management has granted flexible hiring authorities for federal agencies to hire AI talent, including direct hire authorities and excepted service authorities. Government-wide tech talent programs, including the Presidential Innovation Fellows, U.S. Digital Corps, and U.S. Digital Service, have scaled up hiring of AI talent in 2024 across high-priority AI projects.

- Launched a pilot of the *National AI Research Resource (NAIRR)*, catalyzing broad-based innovation, competition and more equitable access to AI research. The pilot, managed by the U.S. National Science Foundation (NSF), is the first step toward a national infrastructure for delivering computing power, data, software, access to open and proprietary AI models, and other AI training resources to researchers and students. These resources come from 11 federal-agency partners and more than 25 private entities, nonprofit, and philanthropic partners.

- Established an AI Task Force at the Department of Health and Human Services to develop policies to provide regulatory clarity and catalyze AI innovation in health care. The Task Force will, for

example, develop methods of evaluating AI-enabled tools and frameworks for AI's use to advance drug development, bolster public health, and improve health care delivery. Already, the Task Force coordinated work to publish guiding principles for addressing racial biases in healthcare algorithms.

In addition, several goverment agencies are geared up for AI adoptation. For example, the DoD releases the AI adoptation strategy[6].

1.6.2 Student Demand

Many students, both domestic and international, inquire about undergraduate level offering in AI at NMSU. An undergraduate level program in AI would provide an opportunity for students from different but related backgrounds to specialize in AI and serve the region's and nation's growing need for AI professionals. This can be seen in the following highlights:

- *Studyportals*, a website specialized in providing information to help students in making decision about their study programs (e.g., what to study? and where to study?), recently releases the following information related to AI (see, [12]):
  - There is 3.4 times as much interest in AI courses as there are programmes currently available.
  - Student interest for AI programmes (expressed as pageviews) grew 305% from January 2018 to January 2023. That compares to a 25% increase in pageviews across all programmes.
  - It states that AI is the third most sought skill by students but also the one with the lowest provided opportunities. For example, in Europe, the top three undergraduate programs with the most interested in 2024 are European Law, which has seen a +32.9% rise in interest, AI (+36.1%) and User Experience Design (+32.9%); for AI programs there is 4.4 times as much student interest as there are programs in the field available. At the university level, AI and machine learning courses are increasingly in demand. Between 2012 and 2018, enrollment in AI courses increased by five times and enrollment in machine learning courses increased by 12 times according to an AI Index report from 2019.
- UCAS chief executive Clare Marchant[7] said that this year's application data showed 18-year-olds were increasingly inspired to study computing "thanks to the rise of digital and AI."
- Online learning platforms such as Coursera and edX have millions of learners enrolled in AI and machine learning courses. Coursera[8] reported that its AI for Everyone course had over 90,000 learners in the first 30 days (on pace to have more than 1 Million learners in its first year);
- The demand for Gen AI courses in India increased 195% year-on-year in the first quarter of 2024, according to Kashyap Dalal, chief operating officer at *Simplilearn*.
- *Randstad*, the global leader in the HR services industry, published several reports related to AI and wrote in [14] that "it is clear that more employers are seeking talent with AI skills. Our own analysis of job ads shows a 2,000% uptick since Q1 in 2023. AI is increasingly an enabler and enhancer of skills, holding a profound impact on productivity and overall performance in the workplace. But the imbalance between skills demanded by businesses and desired by employees, on the one hand, and the training opportunities provided, on the other, has to be addressed.

  AI is here to stay and the benefits of it are very clear. Our data shows that employees stand ready to embrace it for their own gain too. Successful organizations will be those that leverage this readiness and harness the opportunities of AI in their workforce."

[6] https://www.defense.gov/News/News-Stories/Article/Article/3578219/dod-releases-ai-adoption-strategy/

[7] https://www.intelligentcio.com/eu/2023/07/17/ucas-says-rise-of-ai-behind-the-spike-in-\university-computing-applicants/

[8] https://blog.coursera.org/what-the-world-learned-on-coursera-in-2023-and-next-years-must-know-skills/

1.6.3 Societal Need

Generative AI is becoming an important tool for several professionals. In a report by the Pew Research Center, it is reported that in 2022, 19% of American workers were in jobs that are the most exposed to AI, in which the most important activities may be either replaced or assisted by AI. Globally, AI could affect around 400 million jobs. In addition, it predicted that AI can create 97 million jobs. Companies as well as government agencies started to adopt AI or have released their AI application strategies. This highlights the need for increased AI education and training of existing workforce and preparing a new generation of AI workers ready for these jobs.

1.7 Relationship to NMSU Mission

The specific goals from LEADS 2025 that will benefit from the BS-AI program are:

- Enhance Student Success & Social Mobility
  - (KPI 1) *Enrollment Growth*: We expect this program to attract an audience that has not been considered so far within the state—high school graduates that have an interest in Artificial Intelligence careers, as well as transfer students (e.g., from regional community colleges) that seek this type of training. No other degree program in the state is in effect with analogous goals, while the demand for trained professional is growing at a rapid pace. We expect this program to contribute to growth in the enrollment of the institution.

    Graduate Enrollment: we propose to align the novel BS-AI program with existing graduate programs (e.g., MS in Computer Science) to facilitate transition to graduate studies upon graduation. Students attending the BS-AI program will be provided with the opportunities to enter the accelerated BS programs in the MS in CS program.

    The BS-AI program will also represent a new avenue to secure STEM degrees at NMSU.
  - (KPI 2) *Student Success*: The BS-AI program will continue the practices that have been employed by the Computer Science department to engage with students (e.g., organizing regular programming competition), to enhance student life climate, health and wellness, and professional development leading (e.g., inviting colloquia speakers) to improved academic and career outcomes.
- Elevate Research & Creativity

  The BS-AI program will bring together researchers with diverse expertise but shared interest in the general area of artificial intelligence; we expect this to lead to new collaborations that eventually will produce new research contributions, publications, and grant proposals. This will significantly contribute to the following KPIs:
  - (KPI 1) *Research and development expenditures*: by creating new opportunities for faculty to develop grant proposals.
  - (KPI 2) *Carnegie R1 index*: by increaing the amount of fundings and the number of Ph.D. students.
- Amplify Outreach & Extension
  - (KPI 1) *Outreach & Extension Expenditures*: an essential component of the BS-AI effort will be to compose its recruitment activities with initiatives aimed at promoting awareness of issues of Artificial Intelligence within the local community.
  - (KPI 2) *Outreach Impact Index*: The outstanding job opportunities in the field of Artificial Intelligence will guarantee that our graduates will have access to excellent and rewarding careers.
- Build A Robust University System

  The degree program will build a recruitment plan that will promote awareness and interest towards careers in Artificial Intelligence within local K-12 schools (e.g., Las Cruces, Gadsden, Hatch), with the goal of engaging students from groups who have been traditionally underrepresented in the computing and engineering domains (e.g., students of Hispanic background, women).

1.8 Relationship to Other NMSU Programs and Research Units

The proposed BS-AI degree program does not duplicate any existing program at NMSU. The program overlaps with the BS in Computer Science in that it shares the same background in terms of programming and understanding of computing systems. However, students in the BS in CS can have at most two courses specialized in AI in their degree program. In the College of Engineering, some machine learning or robotics related courses are offered but none of the degrees overlaps with the proposed BS-AI program as well.

1.9 Relationship to Programs Offered at Other New Mexico Universities

The proposed BS-AI program does not duplicate an existing Bachelor degree program offered by another university in New Mexico.

To the best of our knowledge, the only program related to AI is the Associate or Applied Science program entitled "*Artificial Intelligence and Machine Learning*" that is offered by the School of Business, Hospitality & Technology (BHT) of Central New Mexico Community College. Its curriculum focuses on the development of machine learning models for various applications.

The proposed program differs significantly from the program at CNM. Specifically,

- The proposed program requires 120 credits comparing to 62 credits of CNM's program.
- The proposed program includes 6 to 9 AI-related courses while the CNM's program has 4 courses.
- The proposed program has 6 programming related courses while the CNM's program has 2 courses.
- Our program requires a capstone project course while the CNM's program does not.

1.10 Similar Programs at the National Level

1.11 Serving a Regional Need

The BS-AI program fills a regional gap that can be clearly gained from the preceding discussion. The long-standing history of New Mexico in the area of defense and the dominant role in Artificial Intelligence gained by entities like Sandia, Los Alamos, ARL, support the need for the development of a program like BS-AI, in order to supply professional workforce and advance New Mexico's role of leadership in the area. As can be seen in our review of existing programs (section 3.4), there are no comparable undergraduate programs offered in the state at the present time. Furthermore, the analysis of programs at our peer institutions (Appendix B) indicates that, while there is a growing interest and educational commitment to artificial intelligence, there is no undergraduate organized curriculum offered at such institutions that specifically focuses on Artificial Intelligence and related areas.

2 Clientele

2.1 Student Characteristics

2.1.1 Students to be Served by the Program

The BS-AI program will be available to all interested individuals who successfully meet the NMSU admissions criteria established for the program. The program will be open to full-time and part-time students. All applicants must be high school graduates and take an admissions test to establish reading, writing, and math abilities. No restriction will be made regarding race, creed, gender or age. The program will draw students primarily from New Mexico and West Texas. The opportunities for employment in the field will be both regional (New Mexico) as well as national. The program also will appeal to people already in the workforce who have experience in Artificial Intelligence and are seeking additional training so they can increase their skill level and become prepared for additional job opportunities in these growing career fields.

2.1.2 Basic Entry Requirements

Admission requirements have been stated in an earlier section of this document. Nevertheless, the degree requirements would suggest incoming students to meet the following additional requirements:

- Have completed Trigonometry and Pre-calculus by the time of entrance, i.e., be ready for MATH 1430G (Application of Calculus I) or MATH 1511G (Calculus and Analytic Geometry I);
- Do not have any developmental English prerequisites, i.e., be ready to enter ENGL 111G.

2.1.3 Equitable Representation

We will market the program broadly to help ensure diverse cohorts of students. Given the diversity of students in the school systems that feed into our undergraduate programs (e.g., Las Cruces Public Schools, Gadsden Independent Schools), we will encourage students from groups that are traditionally underrepresented in Artificial Intelligence to participate in the BS-AI program. These groups include students of Hispanic heritage and women. We will build on and expand our existing K-12 outreach programs that have been specifically designed to serve these student populations (e.g., the Computing Alliance of Hispanic Serving Institutions, the Young Women in Computing Program).

The Department of Computer Science has a long-standing commitment to serve a very diverse student population. NMSU Computer Science has launched and supports a wide range of initiatives to promote recruitment, training, and retention of students from traditionally under-represented backgrounds. These projects include outreach programs (e.g., programs for middle-school and high-school students), training and motivational events (e.g., a year-around set of activities for cohorts of high school women), and solid links with local high schools and community colleges, and collaborations with Hispanic-Serving Institutions across the nation (e.g., NMSU is one of the leading institutions in the Computing Alliance of Hispanic Serving Institutions).

It is important to underline the importance of the development of this type of program in a region like New Mexico. The field of computing in general, and Artificial Intelligence in particular, is still witnessing a severe under-representation of women and of students from traditionally under-represented ethnic groups. In particular, less than 18% of undergraduate computing degrees are of women; 7.5% of undergraduate computing degrees are awarded to Hispanic students (parity would be 17%) [17]. The diversity in the population of New Mexico, and in particular the diversity offered by our local school systems, offer an untapped pool of talent on which to build a successful and strong program, laying the foundations for bringing New Mexico to the forefront of training in artificial intelligence.

2.2 Projected Enrollment

The following table (Table 3) provides an estimate of enrollment for the BS-AI program.

Year	Incoming Students	Projected Total Enrollment
Year 1	10	10
Year 2	10	18
Year 3	15	30
Year 4	15	42
Year 5	25	50
Year 6	25	50

Table 3: Project Enrollment

These enrollment projections are conservative, providing the least optimistic financial impact scenario for the BS-AI program. Actual enrollment for BS-AI is expected to be larger, depending on the degree of support provided to a strong roll-out of the program and establishment of a positive reputation among local schools and communities.

3 Institutional Readiness

3.1 Faculty Resources

The institution has already an adequate pool of qualified researchers and educators to meet the needs of the proposed degree program. The following is a description of the faculty members who have participated in the development of this proposal or who have been identified as potential contributors to the BS-AI program:

- Enrico Pontelli, Computer Science/Arts & Sciences, Regents Professor and Dean;
- Satyajayant Misra, Computer Science, Professor, Associate Dean of Research, College of Engineering;
- Huiping Cao, Computer Science, Professor, Interim Department Head;
- Son Tran, Computer Science, Professor;
- Jonathan Cook, Computer Science, Professor;
- Mingzhou (Joe) Song, Computer Science, Professor;
- Inna Pivkina, Computer Science, Associate Professor;
- Roopa Vishwanathan, Computer Science, Associate Professor;
- William Hamilton, Computer Science, Assistant Professor;
- Tuan Le, Computer Science, Assistant Professor;
- Christabel Wayllace, Computer Science, Assistant Professor;
- Patty Lopez, Computer Science, Assistant Professor;
- Gaurav Panwar, Computer Science, Assistant Professor;
- Naveed Ul Mulstafa, Computer Science, Assistant Professor;
- Shiva Darian, Computer Science, Assistant Professor;
- Several professors from other departments who support the program and are willing to open their courses as elective for students of the BS-AI program.

3.2 Library and Curricular Resources

The curriculum for the BS-AI program builds primarily on courses that are already in place and successfully offered with some of these courses are offered as special topic courses. All students already taking these courses have found adequate support with the current materials provided by the library and by the fast-growing publicly accessible repositories of on-line materials. We are aware of the lower funding-level to the library in recent years but we believe that even with fewer resources the total holdings listed in the librarys report should be sufficient for a small cohort of students. In addition, with membership in the Association for Computing Machinery (ACM), all faculty and student members would have access to the primary journals and conferences in the field as part of their membership.

3.3 Physical Facilities

No new facilities are required to support the offering of this program. The existing laboratories (e.g., with the Department of Computer Science) will be sufficient to support the proposed curriculum.

3.4 Equipment and Technology Resources

No new equipment is required to support the offering of this program. Equipment currently available at the participating departments within NMSU is sufficient to fully support the launch and initial phases of this program. As the program grows, it is expected that new equipment/funds will be required to ensure adequacy of virtual laboratory resources both within the NMSU and commercially (e.g., Amazon EC2) respectively.

3.5 Administrative Structure

The proposed degree program will be a part of the Computer Science department, College of Arts and Sciences. Additional administrative activities will be carried out by the department and the college.

4 Summary of Costs and Benefits

4.1 Projected Costs

4.1.1 Additional faculty needed for the program

We expect to have a sufficient minimal number of faculty members if the current search being conducted in the Department of Computer Science is successful. As AI grows exponentially, the need of one additional faculty line, probably with expertise in the new aspects of artificial intelligence (e.g., interdisciplinary research between natural language processing and computer vision, in neural symbolic reasoning, multi-modal large language models), might arise in the near future (i.e., within two years from the launch of the program).

4.1.2 Additional library resources needed for the program

The initial launch of the program will not require any additional library resources. Due to the speed of evolution of the field, professionals in Artificial Intelligence tend to rely predominantly on open-source and open-access materials and documents.

4.1.3 Additional facilities, equipment and technological resources

An immediate facility need that we will have to address within the first two years of activities of the program is the establishment of at least one additional laboratory dedicated to Artificial Intelligence training. The cost is expected to be limited—the laboratory can be equipped with older computers and with a dedicated network. The estimated cost of a 20-seat laboratory of this type is:

- 20 desktops, $700 each, total $14,000
- Networking (switches, cabling): $3,000
- Instructor workstation: $2,000
- Supplies: $2,000
- Furniture (Desks, chairs): $9,000

The college of Arts & Sciences is committed to invest funds to establish this facility over a 2-year period (Total: $30,000).

4.2 Projected Benefits

4.2.1 Financial Benefit

Table 4 provides an estimate of tuitions generated by the program according to the projected enrollment, assuming full-time students with a 15-credit per semester load.

Year	Type	Description	Estimated	Total
Year 1	Cost	Graduate Assistant	$29,499	($29,499)
	Revenue	Tuitions & Fees, 10 students	$32,590	$32,590
Year 2	Cost	Graduate Assistant	$29,499	($29,499)
	Revenue	Tuitions & Fees, 18 students	$58,662	$58,662
Year 3	Cost	Graduate Assistant	$29,499	($29,499)
	Cost	New Laboratory	$30,000	($30,000)
	Revenue	Tuitions & Fees, 30 students	$97,770	$97,770
Year 4	Cost	Graduate Assistant	$29,499	($29,499)
	Revenue	Tuitions & Fees, 42 students	$136,878	$136,878
Year 5	Cost	Graduate Assistant	$29,499	($29,499)
	Revenue	Tuitions & Fees, 50 students	$181,611	$181,611
Year 6	Cost	Graduate Assistant	$29,499	($29,499)
	Revenue	Tuitions & Fees, 50 students	$162,950	$162,950

Table 4: Cost Estimation (GA salary, tuition, and health insurance: $29,499 & Tuition and Fee per student: $3,259 — NMSU Website)

4.2.2 Benefits to the State of New Mexico

The benefits to the state of New Mexico from the presence of the BS-AI program are extensive. First of all, there is a growing demand of trained Artificial Intelligence professionals by a variety of industries and contractors in the state; Indeed.com currently lists 189 posted jobs, with an average salary of $94,794. The demand is also high due to the presence of federal facilities and national laboratories in the state. Sandia National Laboratories is at the forefront in research and development in the domain of artificial intelligence; Army Research Laboratory has facilities at White Sands and provides excellent opportunities for collaboration in the area of artificial intelligence, especially through its ARL South Open Campus initiative.

5 Assessment of Operations and Impact

As all academic programs at NMSU, we expect BS-AI to be formally reviewed every year, through the development of a self-study and, potentially, an external evaluation. Students completing the BS-AI program are required to complete either a thesis or a capstone project, which requires multiple reviewers among the faculty involved in the program. In both cases, the course objectives will encompass the student learning outcomes for the program.

Students are required to complete a Artificial Intelligence Portfolio in addition to those courses defined within the program. Students construct a portfolio from the projects completed as part of the major course requirements portion of the program. The portfolio is intended to enable assessment of those learning outcomes that are best assessed in an integrative fashion, spanning all of the students course work and therefore reflects overall academic growth.

The program review will benefit from interaction with industry and government. Examples of such interaction include presence of representatives from national labs (e.g., Sandia) on the BS-AI advisory board, student involvement in industry/government sponsored Artificial Intelligence internships, and frequent industry/government guest speakers. Another key part of the formative assessment will be to evaluate the alignment of the BS-AI curriculum with community colleges (e.g., DACC, CNM). The analysis will assess the successful connections made, the challenges encountered, and the recommendations for making the program even more accessible to students throughout New Mexico. The results of the evaluation will be reported to the Executive Vice President and Provost and to the program advisory board.

6 Other

6.1 Accreditation

The BS-AI degree program is new. Within the United States, there are less than 15 schools which offer a BS-AI degree program.Therefore, there exists not yet a specialized accrediting organization for this program. For this reason, the program has not yet obtained accreditation and will not seek or plan to seek specialized accreditation before such an accreditation program exists.

It is expected that ABET, the accreditation agency for computer science related programs, will eventually develop the accreditation criteria for this program. The department will evaluate the criteria and decide on whether to seek accreditation for the program whenever it is available.

7 Appendices

Appendix A: Courses

Required Courses

- ENGL 1110G - Skills and methods used in writing university-level essays. 4 credits
- ENGL 1110H - Individualized assignments and independent study. 4 credits
- ENGL 2210G - Effective writing for courses and careers in sciences, engineering, and agriculture. Strate- gies for understanding and presenting technical information for various purposes to various audiences. 3 credits
- ENGL 2215G - Theory and practice of writing in technical and professional fields, individualized to each student s field. Emphasizes efficient writing processes and effective written products. 3 credits
- COMM 1115G - Study and practice of interpersonal, small group, and presentational skills essential to effective social, business, and professional interaction. 3 credits
- HNRS 2175G - Study and practice of interpersonal, small group, and presentational skills essential to effective social, business, and professional interaction. 3 credits
- MATH 1430G. Applications of Calculus I – An algebraic and graphical study of derivatives and integrals, with an emphasis on applications to business, social science, economics and the sciences. 3 credits
- MATH 1511G - Limits and continuity, theory and computation of derivatives, applications of derivatives, extreme values, critical points, derivative tests, L'Hopital's Rule. 4 credits
- C S 172 - Computational problem solving; problem analysis; implementation of algorithms. Recursive structures and algorithms. 4 credits
- C S 271 - Introduction to problem analysis and problem solving in the object-oriented paradigm. Practical introduction to implementing solutions in the C++ language. Hands-on experience with useful development tools. 4 credits
- C S 272 - Design, implementation, use of fundamental abstract data types and their algorithms: lists, stacks, queues, deques, trees; imperative and declarative programming. Internal sorting; time and space efficiency of algorithms. 4 credits
- C S 278 - Discrete mathematics required for Computer Science, including the basics of logic, number theory, methods of proof, sequences, mathematical induction, set theory, counting, and functions. 4 credits

- C S 281 - Practical programming. A hands-on dive into practical programming skills development. Students will practice skills such as implementing algorithms thatmanipulate data in arrays and other data structures, implementing and using hashing-based data collections, using I/O in programsto access and create data, and object-oriented programming. Students will also focus on honing their use of tools such as commandline, integrated development environments, debuggers, and profilers for software development. 3 credits
- C S 371 - Software specification, design, testing, maintenance, documentation; informal proof methods; team implementation of a large project. 4 credits
- C S 372 - Introduction to efficient data structure and algorithm design. Order notation and asymptotic run-time of algorithms. Recurrence relations and solutions. Abstract data type dynamic set and red-black trees. Classic algorithm design paradigms: divide-and-conquer, dynamic programming, greedy algorithms. 4 credits
- C S 390. Introduction To Intelligent Agents Using Science Fiction: This course uses science-fiction movies to introduce fundamental principles and techniques in agents and multi-agent systems. It isa gentle introduction to decision theory, machine learning, multi-agent systems, and ethics in agent-based systems. 3 credits
- C S 419. Responsible AI[9]: An overview of ethics for computing majors includes: history of computing, intellectual property, privacy, ethical frameworks, professional ethical responsibilities, and risks of computer-based systems. 3 credits
- C S 448. Senior Project/Thesis: Capstone course in which C S majors work in teams and apply computer science skills to complete a large project. 4 credits
- C S 475. Artificial Intelligence I: Fundamental principles and techniques in artificial intelligence systems. Intelligent Agents; solving problems by searching; local search techniques; game-playing agents; constraint satisfaction problems; knowledge representation and reasoning. Further selected topics may also be covered. 3 credits
- C S 482 - Database design and implementation; models of database management systems; privacy, security, protection, recovery. 3 credits
- C S 487. Applied Machine Learning I: An introductory course on practical machine learning. An overview of concepts for both unsupervised and supervised learning. Topics include classification, regression, clustering, and dimension reduction. Classical methods and algorithms such as linear regression, neural networks, support vector machines, and ensemble approaches. Focused on applying of machine learning techniques in application domains. 3 credits
- C S 488. Introduction to Data Mining: Techniques for exploring large data sets and discovering patterns in them. Data mining concepts, metrics to measure its effectiveness. Methods in classification, clustering, frequent pattern analysis. Selected topics from current advances in data mining. 3 credits
- One of the following:
  - C S 391. Text Mining and Natural Language Processing: This course is an introduction to text mining and natural language processing (NLP). It covers NLP techniques for extracting insights from unstructured text data. Topics include text classification, semantic textual similarity, topic modeling, sentiment analysis, text summarization, text generation, and machine translation. 3 credits
  - C S 395. Generative Artificial Intelligence: Covers the theory and applications of generative artificial intelligence. Concentration will be on specific topics such as large language models, adversarial neural networks, neural symbolic computing, and inductive logic programming. 3 credits

[9]Building on the current C S 419 course: Computing Ethics and Social Implications of Computing

- 9 credits from Elective 1 and 9 credits from Elective 2.

Elective Courses 1

- C S 381. Principles of Virtual Reality. This course is an introduction to building systems and doing research in / on virtual reality. We cover system design, development, and evaluation, with an emphasis on recent research in the space. We cover a range of methods, qualitative and quantitative, in order to develop insights into effective VR designs. Students in this class will develop a foundation in VR development; learn about current topics in VR; and design, develop, evaluate, and report on a VR system. 3 credits

- C S 382. Modern Web Technologies: Full-stack approach to modern web application design with the fundamentals including HTML5, CSS3, Javascript, JSON, and the underlying networking concepts and protocols driving the modern web. Advanced topics including javascript backend development with Node.js, NoSQL database design with MongoDB, cloud computing, and re-sponsive web design, the design and implementation of browser extensions and real-time web technologies like WebRTC and WebSockets. 3 credits

- C S 383. Introduction to Deep Learning. Basic concepts of neural networks which include transition of classical machine learning to hierarchical feature learning, feedforward networks, regularization, optimization, hyperparameter tuning, deep convolutional networks and their applications in computer vision, deep sequence models, and deep generative models. 3 credits

- C S 384. Graph Data Mining. Graph terminology, representation, and techniques to extract patterns from large graph data. The topics include random and scale-free graph generation, link analysis (PageRank), graph representation learning, graph neural networks, deep graph generation, community detection, frequent subgraph mining, graph classification, influence maximization, and knowledge graph mining. 3 credits

- C S 477. Digital Game Design. An introduction to digital game design. Topics include design, development, and playtesting of games. The course is structured to use team-based learning. 3 credits

- C S 481. Visual Programming Design and implementation of programs using visual (i.e. dataflow or diagrammatic) programming techniques, with an emphasis on real-time data processing. Students will learn how to design visual programs, including how to handle cycles and state maintenance, and will learn to process audio, video, and other data using visual programs. 3 credits

- C S 485. Human-Centered Computing Covers iterative, human-centered interface design, including prototyping and evaluation. Basics of graphic design and visualization. 3 credits

Elective Courses 2

- C S 380. Introduction to Cryptography. The course covers basic cryptographic primitives, such as symmetric, public-key ciphers, digital signature schemes, and hash functions, and their mathematical underpinnings. Course helps students understand basic notions of security in a cryptographic sense: chosen plaintext and chosen ciphertext attacks, games, and reductions. Course also covers computational number theory relevant to cryptography. 3 credits

  C S 473. Architectural Concepts I. Comparison of architectures to illustrate concepts of computer organization; relationships between architectural and software features. 3 credits

- C S 474. Operating System. Operating system principles and structures, and interactions with architectures. 3 credits

- C S 478. Computer Security. Introduction to the art and science of computer security. Fundamentals of computer secu- rity including elementary cryptography, authentication and access control, security threats, attacks, detection and prevention in application software, operating systems, networks and databases. 3 credits

- C S 479. Special Topics - Topic announced in the Schedule of Classes. May be repeated if subtitle is different. 1–6 credits
- C S 480. Linux System Administration. Basic system administration for Linux environments. Topics include user managements, file systems, security, backups, system monitoring, kernel configuration and other relevant aspects of system administration. 3 credits
- C S 484. Computer Networks I. Fundamental concepts of computer communication networks: layered network architecture, network components, protocol stack and service. Example of application, transport, network and data link layers, protocols primarily drawn from the Internet (TCP, UDP, and IP) protocol multimedia networks; network management and security. 3 credits
- C S 486. Bioinformatics. Introduction to bioinformatics and computational biology. Computational approaches to sequences analysis, protein structure prediction and analysis, and selected topics from current advances in bioinformatics. 3 credits
- C S 489. Bioinformatics Programming. Computer programming to analyze high-throughput molecular biology data including genomic sequences, bulk and single-cell transcriptome, epigenome, and other omics data. Quality control, library size normalization, confounding effect removal, clustering, statistical modeling, trajectory inference, and visualization. 3 credits
- C S 491. Parallel Programming. Programming of shared memory and distributed memory machines; tools and languages for parallel programming; techniques for parallel programming; parallel programming environments. 3 credits
- C S 496. Cloud and Edge Computing: the course presents a top-down view of cloud computing, from applications and administration to programming and infrastructure. Its main focus is on the concepts of networking and parallel programming for cloud computing and large scale distributed systems which form the cloud infrastructure. The topics include: overview of cloud computing, cloud systems, parallel processing in the cloud, distributed storage systems, virtualization, security in the cloud, and multicore operating systems. Students will study state-of-the-art approaches to cloud computing followed by large cloud corporations, namely Google, Amazon, Microsoft, and Yahoo. Students will also apply what they learn through project developments using Amazon Web Services. 3 credits
- Students can also take courses from other departments to complete this requirement.

Appendix B: Relevant Degree Programs at Peer Institutions

Colorado State University: The institution does not offer any dedicated degree program in AI. There is a BS in Computer Science, AI, and Machine Learning concentration.

Iowa State University: The institution does not offer any dedicated degree program in artificial intelligence.

Kansas State University: The institution offers an option for the Engineering Technology degree called Machine Learning and Autonomous Systems Option (BETBMA). This is specific to machine learning and autonomous system, a sub-area of AI.

Montana State University: The institution does not appear to offer any formal degree program in AI.

Oklahoma State University: The institution does not offer a formal degree program in AI. There is a BS in Engineering Technology (BSET) that is related to Robotics.

Oregon State University: The institution has been very active in several areas of AI. However, it does not offer any dedicated degree program in AI. The BS in Computer Science has several focuses, one of them is AI. This focus requires 32 credits.

Texas Tech University: The institution does not offer any dedicated degree program in artificial intelligence. There is an undergraduate certificate in Data Analytics.

University of Arizona: The university offers a BS in Applied Science with AI emphasis. It does not offer a dedicated degree in AI.

University of Idaho: The institution does not offer a dedicated degree in AI.

University of Nevada-Reno: The institution does not offer a dedicated degree in AI.

University of New Mexico: The institution does not does not offer a dedicated degree in AI. The university continuation education provides a bootcamp on "AI & Machine Learning".

University of Texas at El Paso: The institution does not currently offer any dedicated degree program in artificial intelligence. However, it is known that the Computer Science department has submitted a proposal for the BS in AI degree program.

University of Wyoming: The institution does not offer any dedicated degree program in artificial intelligence.

Utah State University: The institution does not appear to provide any formal degree program in artificial intelligence.

Washington State University: The institution has been very active in several areas of AI. However, it does not offer any dedicated degree program in AI.

Appendix C: Representative Programs in Other Universities

Examples of other public and private non-profit universities that offer related programs include the following:

- **Carnegie Mellon University** (Bachelor of Science in Artificial Intelligence)
- **MIT** (Artificial Intelligence and Decision Making)
- **Illinois Tech** (Bachelor of Science in Artificial Intelligence)
- **University of Miami** (Bachelor of Science in Data Science & Artificial Intelligence)
- **IUPUI** (Bachelor of Science in Artificial Intelligence)
- **Keiser University** (Bachelor of Science in Artificial Intelligence)
- **Atlantic International University** (Bachelor of Science in Artificial Intelligence)

References

[1] Cory Breaux and Emin Dinlersoz. How Many U.S. Businesses Use Artificial Intelligence? https://www.census.gov/library/stories/2023/11/businesses-use-ai.html.

[2] Mauro Cazzaniga, Florence Jaumotte, Longji Li, Giovanni Melina, Augustus J Panton, Carlo Pizzinelli, Emma J Rockall, and Marina Mendes Tavares. Gen-ai: Artificial intelligence and the future of work. Technical report, 2024.

[3] Michael Chui, Eric Hazan, Roger Roberts, Alex Singla, Kate Smaje, Alex Sukharevsky, Lareina Yee, and Rodney Zemmel. The economic potential of generative AI, 2023.

[4] Katherine Haan and Rob Watts. 24 Top AI Statistics And Trends In 2024. https://www.forbes.com/advisor/business/ai-statistics/.

[5] Indeed Editorial Team. Guide: How to become an artificial intelligence engineer. https://in.indeed.com/career-advice/finding-a-job/how-to-become-an-artificial-intelligence-engineers.

[6] John McCarthy, Marvin Minsky, Nathan Rochester, and Claude Shannon, 1956. https://en.wikipedia.org/wiki/Dartmouth_workshop.

[7] J. Moor. The Dartmouth College Artificial Intelligence Conference: The Next Fifty years. *AI Magazine*, (4):87–89, 2006.

[8] Bank of America. Artificial intelligence: A real game changer. https://business.bofa.com/en-us/content/economic-impact-of-ai.html.

[9] Whilte House Publication. Executive order on the safe, secure, and trustworthy development and use of artificial intelligence, 2023.

[10] Goldman Sachs Research. Generative ai could raise global gdp by 7%. https://www.goldmansachs.com/intelligence/pages/generative-ai-could-raise-global-gdp-by-7-percent.html.

[11] Resume Builder. 1 in 3 Companies Will Replace Employees With AI in 2024. https://www.resumebuilder.com/1-in-3-companies-will-replace-employees-with-ai-in-2024/.

[12] Studyportals. Subject Opportunities For 2024. https://studyportals.com/wp-content/uploads/2024/01/Studyportals-Reports-Subject-opportunities-for-2024.pdf.

[13] US-EU Trade and Technology Council. The Impact of Artificial Intelligence on the Future of Workforces in the European Union and the United States of America. Technical report, 2022.

[14] Sander van 't Noordende. more than half of workers believe ai skills will future-proof their careers, but only 13% have been offered such training opportunities - randstad data reveals, 2024. https://www.randstad.com/press/2023/over-50-believe-ai-will-future-proof-their-careers-only-13-have-been-offered-ai-training/.

[15] World Economic Forum. The future of jobs report 2020. https://www.weforum.org/publications/the-future-of-jobs-report-2020/.

[16] World Economic Forum. The Reskilling Revolution. https://initiatives.weforum.org/reskilling-revolution/home, 2024.

[17] Stuart Zweben and Betsy Bizot. 2016 Taulbee Survey. Technical report, 2017. Technical report, Computing Research Association.

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # G-3

☒ Action Item
☐ Consent Item
☐ Informational Item

Presented By: Dr. Monica Torres, Chancellor,

Agenda Item:

NMSU – Alamogordo Branch General Obligation School Bonds, Series 2025

Requested Action of the Board of Regents: Approval of Resolution Authorizing the Sale of Bonds

Executive Summary:

The Alamogordo Branch has requested approval to issue bonds in the amount of $15 M to be used for various capital improvements. After a series of approvals, culminating with the New Mexico Finance Authority, the bonds will be sold, with an anticipated closing date of May 27, 2025. Following the sale of bonds, the Alamogordo branch will provide a final list of capital improvements to the NMSU Board of Regents for consideration.

References:
Authorizing Resolution
GO Bond Finance Plan Update
GO Bond Public Announcement

Prior Approvals:
Financial Strategies, Performance and Budget Committee 02/26/2025

Agenda Item Approved By:

Valerio Ferme, President

02/21/2025
Date

New Mexico State University
Alamogordo Branch

GO Bond Finance Plan Update

February 2025

STRICTLY PRIVATE AND CONFIDENTIAL

NM STATE UNIVERSITY ALAMOGORDO

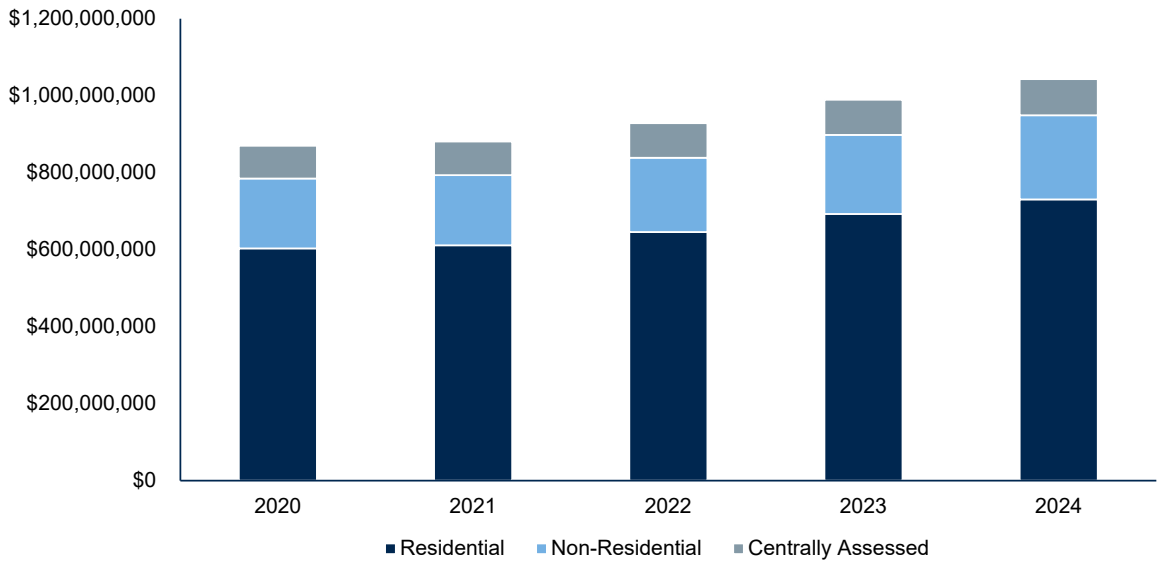
RBC Capital Markets

Historical Assessed Valuation

Tax Year	Residential	Non-Residential	Centrally Assessed	Total	*% Growth*
2020	$602,980,034	$181,648,666	$84,889,485	$869,518,185	1.51%
2021	611,206,449	182,122,509	87,219,279	880,548,237	1.27%
2022	645,575,676	193,085,324	89,665,062	928,326,062	5.43%
2023	692,634,382	205,163,002	91,601,318	989,398,702	6.58%
2024	730,446,264	218,286,279	94,064,699	1,042,797,242	5.40%

5 Year Average Annual Growth	4.01%
10 Year Average Annual Growth	3.42%

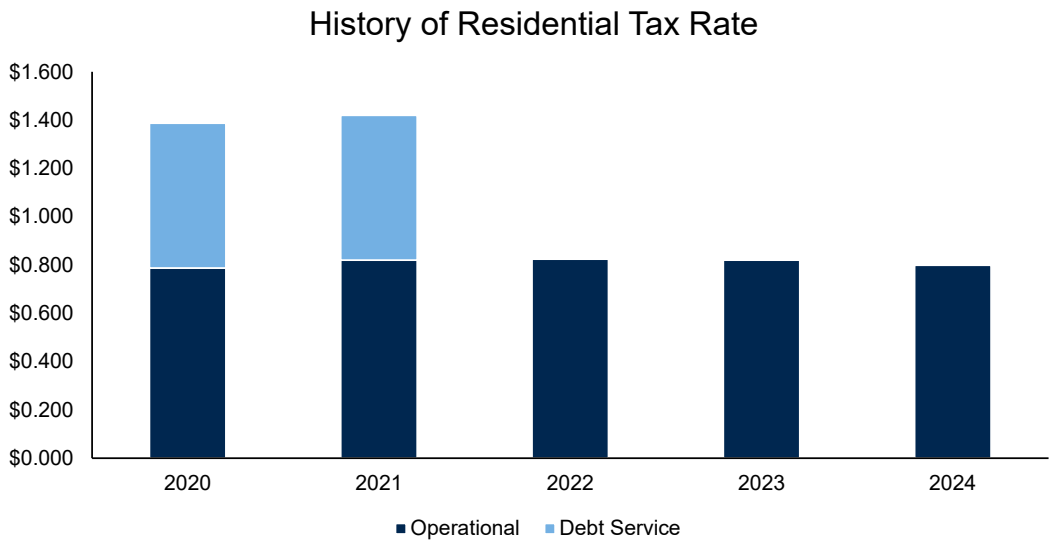
Source: New Mexico Department of Finance & Administration



History of Tax Rates

Tax	Operational		Debt	Total	
Year	Resid.	Non-Resid.	Service	Resid.	Non-Resid.
2020	$0.787	$1.000	$0.600	$1.387	$1.600
2021	0.820	1.000	0.600	1.420	1.600
2022	0.824	1.000	-	0.824	1.000
2023	0.820	1.000	-	0.820	1.000
2024	0.799	0.983	-	0.799	0.983

Source: New Mexico Department of Finance & Administration.



Plan of Finance

- The Branch College's last election was held in November 2023 which authorized $15 million of general obligation bonds
    - $15 million to be sold in 2025
- Assuming a $15 million issuance, below is the projected tax rate:
    - 2024 Tax Year / 2025 Fiscal Year - $0.00
    - 2025 Tax Year / 2026 Fiscal Year – approximately $1.10
        - Total tax rate of $1.10 equates to approximately $37 per $100,000 of home value per year.
        - Final maturity of August 1, 2044 to keep final maturity to within 20 years of date of issuance
        - Takes into account potential reduction of property tax base from recently passed constitutional amendments related to veteran exemptions

Proposed Series 2025 Debt Schedule*

	2023 GO Bond Election Series 2025 $15,000,000						Comparison to Historical 0.60 Tax Rate
Date	Principal	Coupon	Interest	Total Debt Service	Projected Tax Rate	Tax Rate Per $100,000 of Home Value	Tax Rate Per $100,000 of Home Value
8/1/26	$445,000	4.000%	$600,000	$1,045,000	1.092	36.39	16.39
8/1/27	365,000	4.000%	582,200	947,200	1.089	36.29	16.29
8/1/28	405,000	4.000%	567,600	972,600	1.091	36.35	16.35
8/1/29	445,000	4.000%	551,400	996,400	1.090	36.33	16.33
8/1/30	490,000	4.000%	533,600	1,023,600	1.092	36.41	16.41
8/1/31	535,000	4.000%	514,000	1,049,000	1.092	36.41	16.41
8/1/32	580,000	4.000%	492,600	1,072,600	1.090	36.32	16.32
8/1/33	630,000	4.000%	469,400	1,099,400	1.090	36.32	16.32
8/1/34	685,000	4.000%	444,200	1,129,200	1.092	36.39	16.39
8/1/35	740,000	4.000%	416,800	1,156,800	1.091	36.37	16.37
8/1/36	800,000	4.000%	387,200	1,187,200	1.093	36.42	16.42
8/1/37	860,000	4.000%	355,200	1,215,200	1.091	36.37	16.37
8/1/38	925,000	4.000%	320,800	1,245,800	1.091	36.37	16.37
8/1/39	990,000	4.000%	283,800	1,273,800	1.089	36.28	16.28
8/1/40	1,065,000	4.000%	244,200	1,309,200	1.091	36.38	16.38
8/1/41	1,140,000	4.000%	201,600	1,341,600	1.091	36.37	16.37
8/1/42	1,220,000	4.000%	156,000	1,376,000	1.092	36.40	16.40
8/1/43	1,300,000	4.000%	107,200	1,407,200	1.089	36.31	16.31
8/1/44	1,380,000	4.000%	55,200	1,435,200	1.084	36.13	16.13
	$15,000,000		$7,283,000	$22,283,000			

**Preliminary, subject to change.*

Series 2025 Financing Schedule

Date	Action	Responsibility
Friday,February 28, 2025	NMSU BOR Finance Committee Meeting	NMSUA, RBC, BC
Monday,March 10, 2025	NMSU Board of Regent Meeting	NMSUA, RBC, BC
Wednesday,March 19, 2025	Advisory Board approves Bond Authorizing and Delegation Resolution and approval to submit final application to NMFA for financing	NMSUA, RBC, BC
Thursday,March 20, 2025	Submit Signed Resolution to NMFA	RBC, NMFA
Friday,March 21, 2025	Notice of Adoption published in paper of local circulation	BC
Thursday,March 27, 2025	NMFA Board of Directors approves application	NMFA, RBC
Sunday,April 20, 2025	Thirty day limitation of action period expires	
Week of May 5th*	Interest Rates are set with NMFA	NMFA, RBC
Week of May 5th	Authorized Officer signs pricing certificate	NMSUA, RBC, BC
Friday,May 09, 2025	Distirbute draft closing documents	RBC, BC
Friday,May 16, 2025	Signed closing documents returned	NMSUA, RBC, BC
Tuesday,May 20, 2025	Executed closing documents returned to NMFA counsel	NMSUA, RBC, BC
Tuesday,May 27, 2025	Bond Closing	NMSUA, RBC, BC, NMFA
TBD	The Board is updated on results of the Sale (no action)	NMSUA, RBC

Market Update

RBC Capital Markets

Macroeconomic Commentary

The market continues to focus on Fed Policy regarding the possibilities of the terminal Fed Funds rate

- US shares declined last week, with the DJIA and Nasdaq falling 0.5% as the S&P500 lost 0.2%.
- Tariffs on Canada and Mexico were delayed by 30 days, but the White House announced new tariffs of 25% on steel and aluminum imports.
  - The administrations is expected to announce additional reciprocal tariffs this week on nations that tax imports from the US.
- Non-farm payrolls rose 143k in January, falling short of the 175k consensus forecast; December's print was revised up from 256k to 307k.
- The unemployment rate fell from 4.1% to 4.0% in January; the Bloomberg consensus called for an unchanged print of 4.1%.
- Average hourly earnings came in stronger than expected, rising 4.1% in January.
- January ISM data revealed the first growth in the manufacturing sector since October '22, alongside softer growth in the services sector.
- January inflation and retail sales are in focus this week; annualized CPI is expected to hold at 2.9%, with core slipping from 3.2% to 3.1%.
- Producer prices are expected to ease; consensus calls for annualized PPI to declined from 3.3% to 3.2% and core to fall from 3.5% to 3.3%.
- Chair Powell heads to the Senate on Tuesday and House on Wednesday for the semi-annual Humphrey-Hawkins testimony.

Bloomberg

Stocks Shrug Off Tariff Tensions as Gold Rallies

(Bloomberg: February 10, 2025)

- Stocks rebounded on Monday, led by technology and materials producers, with the Nasdaq 100 up about 1% and the S&P 500 rising 0.5%.
- The dollar strengthened, and gold hit a record high, with the Bloomberg Dollar Spot Index rising 0.2% and gold topping $2,900 an ounce.

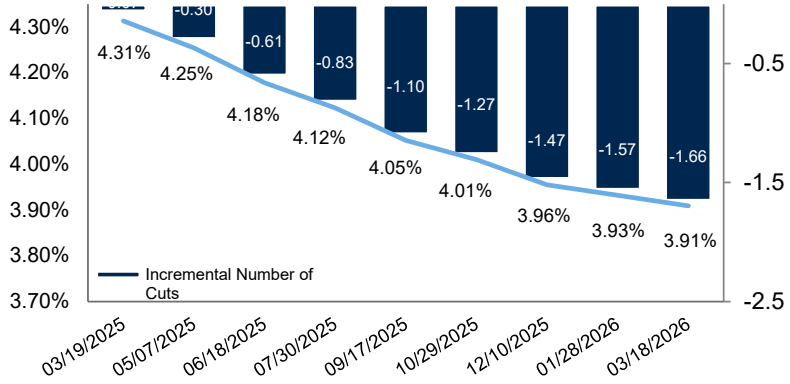
Stock Market Performance (S&P 500)

Source: Bloomberg, Refinitiv, and RBC Capital Markets as of February 6, 2025

Economic Overview Reflects Monetary Policy Focus, Tariff Implications and Geopolitical Tensions

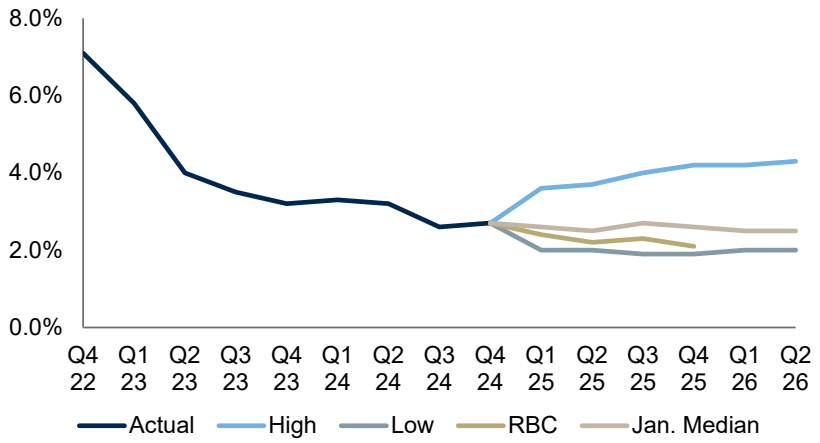
The Fed has signaled a potential pause on rate cuts to take time to assess the evolving economic outlook

Futures Market – Fed Funds Rate Cut Probability (Current Target Rate: 4.25% - 4.50%)

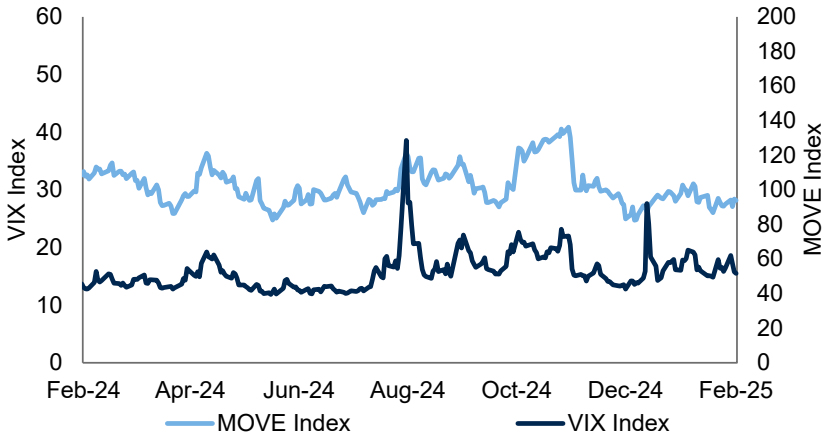


Note: 25bps equates to one cut

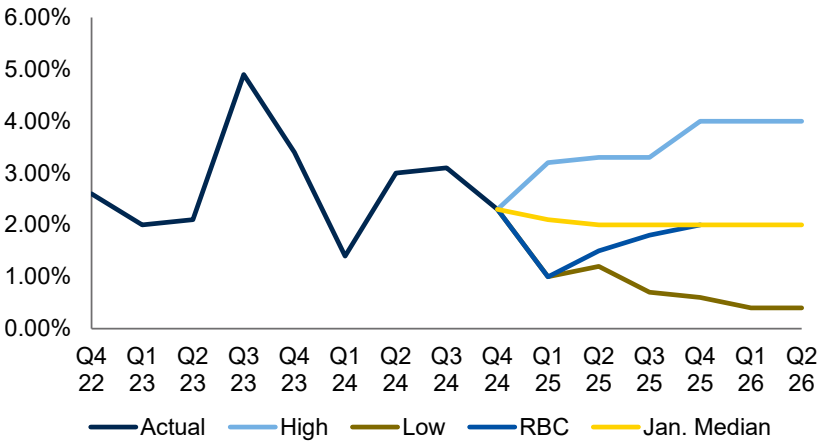
Inflation Survey (Headline CPI – YOY%)



Treasury Volatility Remains Elevated, Equity Volatility has Moderated



GDP Growth Rate Survey



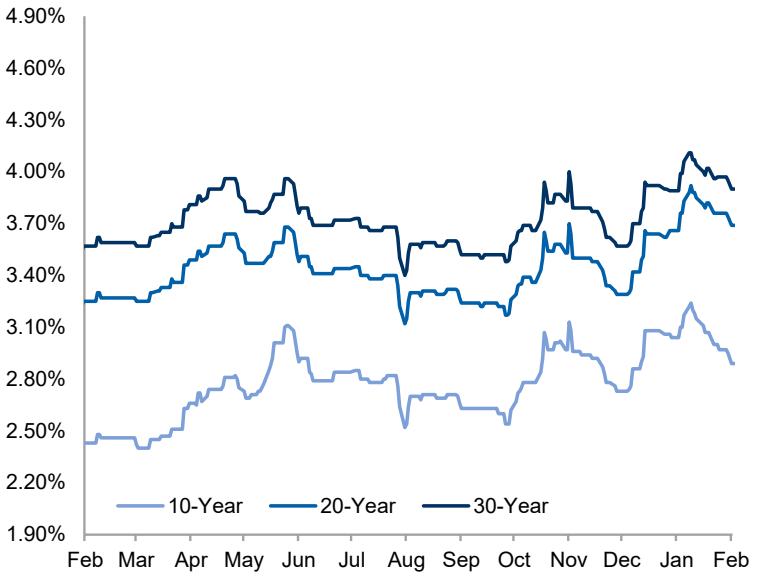
Source: Bloomberg, latest data for week ending February 6, 2025

Overview of Key US Municipal Market Themes

Market Commentary - Bonds

- US IG issuance totaled $40bn last week, and syndicate desks expect similar supply in the week ahead; YTD volume stands at $226bn.
- Municipal supply totaled $9.0bn last week, and new issues continued to garner solid demand from investors.
- This week's calendar is expected to total $10.0bn, bringing YTD issuance to $56.3bn, up 17% YOY; average weekly supply stands at $9.4bn.
- Municipal bond funds reported $1.1bn of inflows last week, following $742mm during the previous week.

Shift in "AAA" MMD Over the Last Year

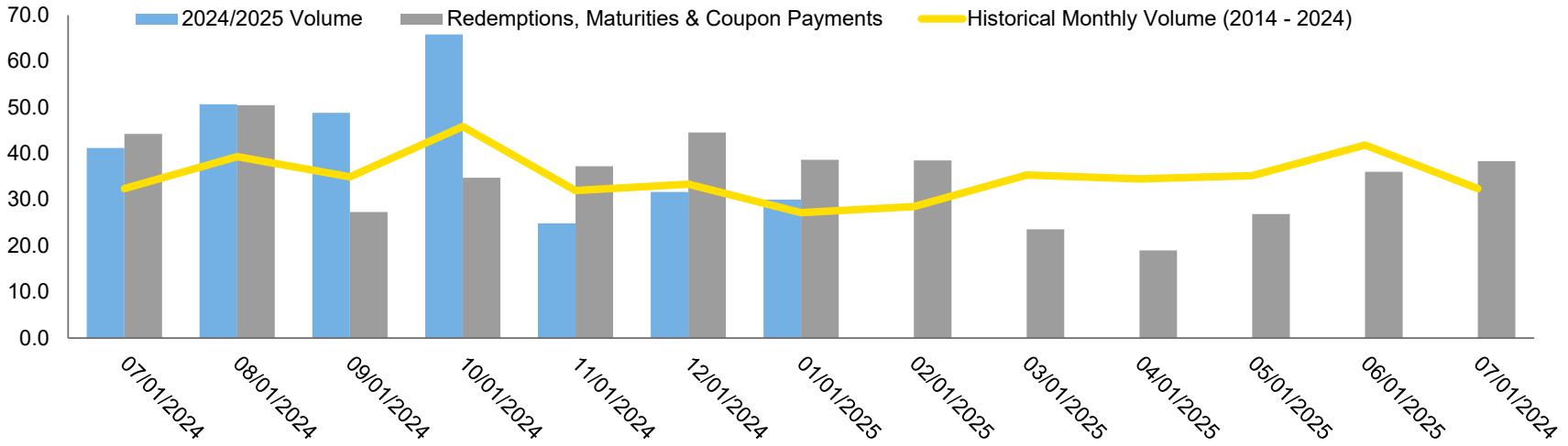


Source: RBC Capital Markets and Bloomberg.

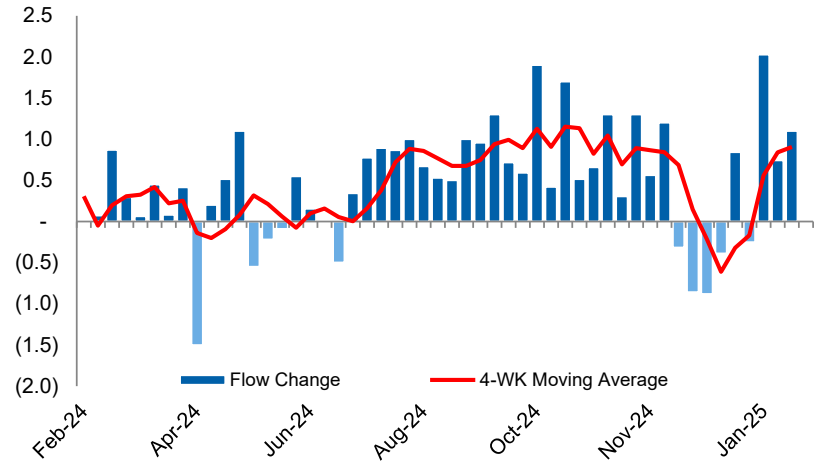
Municipal Market Themes

The market continues to experience significant volume after a respite during the November election period

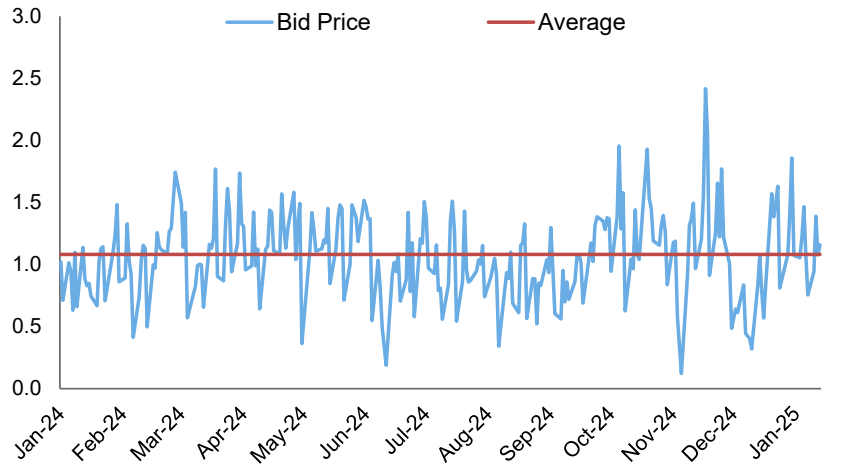
Monthly Reinvestment Cash Versus Volume ($ billions)



Weekly Municipal Bond Fund Flows ($ billions)



Municipal Bid-Wanted ($ billions)



Source: Bloomberg as of February 6, *2025; Lipper for the week ended February* 6, *2025*

Disclaimer

RBC Capital Markets, LLC (“RBC CM”) is providing the information contained in this document for discussion purposes only and not in connection with RBC CM serving as Underwriter, Investment Banker, municipal advisor, financial advisor or fiduciary to a financial transaction participant or any other person or entity. RBC CM will not have any duties or liability to any person or entity in connection with the information being provided herein. The information provided is not intended to be and should not be construed as “advice” within the meaning of Section 15B of the Securities Exchange Act of 1934. The financial transaction participants should consult with its own legal, accounting, tax, financial and other advisors, as applicable, to the extent it deems appropriate.

Disclaimer:

This presentation was prepared exclusively for the benefit of and internal use by the recipient for the purpose of considering the transaction or transactions contemplated herein. This presentation is confidential and proprietary to RBC Capital Markets, LLC (“RBC CM”) and may not be disclosed, reproduced, distributed or used for any other purpose by the recipient without RBCCM’s express written consent.

By acceptance of these materials, and notwithstanding any other express or implied agreement, arrangement, or understanding to the contrary, RBC CM, its affiliates and the recipient agree that the recipient (and its employees, representatives, and other agents) may disclose to any and all persons, without limitation of any kind from the commencement of discussions, the tax treatment, structure or strategy of the transaction and any fact that may be relevant to understanding such treatment, structure or strategy, and all materials of any kind (including opinions or other tax analyses) that are provided to the recipient relating to such tax treatment, structure, or strategy.

The information and any analyses contained in this presentation are taken from, or based upon, information obtained from the recipient or from publicly available sources, the completeness and accuracy of which has not been independently verified, and cannot be assured by RBC CM. The information and any analyses in these materials reflect prevailing conditions and RBC CM’s views as of this date, all of which are subject to change.

To the extent projections and financial analyses are set forth herein, they may be based on estimated financial performance prepared by or in consultation with the recipient and are intended only to suggest reasonable ranges of results. The printed presentation is incomplete without reference to the oral presentation or other written materials that supplement it.

IRS Circular 230 Disclosure: RBC CM and its affiliates do not provide tax advice and nothing contained herein should be construed as tax advice. Any discussion of U.S. tax matters contained herein (including any attachments) (i) was not intended or written to be used, and cannot be used, by you for the purpose of avoiding tax penalties; and (ii) was written in connection with the promotion or marketing of the matters addressed herein. Accordingly, you should seek advice based upon your particular circumstances from an independent tax advisor.

EXCERPT FROM A REGULAR MEETING
OF THE GOVERNING BOARD OF THE NMSU ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT

The Board of Education of Alamogordo School District No. 1 acting as the governing Board (the "Board") of NMSU Alamogordo Branch Community College District (the "District"), in the County of Otero, and the State of New Mexico, met in regular open session in full conformity with the law and the rules and regulations of the Board, at 1211 Hawaii Avenue, Alamogordo, New Mexico, being the regular meeting place of the Board for such meetings on March 19, 2025, at the hour of 6:00 p.m., at which meeting there were present and answering the roll call the following:

PRESENT:

President: _____

Vice-President: _____

Secretary: _____

Members: _____

_____

ABSENT: _____

_____

ALSO
PRESENT: _____

_____

Member _____ thereupon moved the adoption of the following resolution:

NMSU ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT

RESOLUTION

A RESOLUTION AUTHORIZING THE ISSUANCE AND SALE OF NMSU ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT, COUNTY OF OTERO, NEW MEXICO, GENERAL OBLIGATION (LIMITED TAX) BONDS, SERIES 2025 IN AN AGGREGATE PRINCIPAL AMOUNT NOT TO EXCEED $15,000,000, DATED AS OF THE DATE OF DELIVERY, PAYABLE FROM AD VALOREM TAXES LEVIED ON ALL TAXABLE PROPERTY WITHIN THE DISTRICT, LEVIED WITHOUT LIMIT AS TO RATE OR AMOUNT; PROVIDING FOR THE FORM, TERMS AND CONDITIONS OF THE BONDS, THE MANNER OF THEIR EXECUTION, AND THE METHOD OF, AND SECURITY FOR, PAYMENT; PROVIDING FOR THE APPROVAL OF VARIOUS AGREEMENTS RELATING TO THE BONDS; DELEGATING AUTHORITY TO THE PRESIDENT OF THE BOARD, THE ASSOCIATE CAMPUS DIRECTOR & VICE PRESIDENT FOR ACADEMIC AFFAIRS, AND VICE PRESIDENT FOR BUSINESS AND FINANCE TO DETERMINE THE FINAL TERMS OF THE SERIES 2025 BONDS WITHIN THE PARAMETERS ESTABLISHED IN THIS RESOLUTION PURSUANT TO THE SUPPLEMENTAL PUBLIC SECURITIES ACT; AND RATIFYING ACTION PREVIOUSLY TAKEN CONCERNING THE BONDS.

WHEREAS, at a general obligation bond election held in conjunction with the regular local election (the "Election") duly called and held on the 7th day of November, 2023, the electors of the District authorized the advisory board being the governing Board (the "Board") of for NMSU Alamogordo Branch Community College District, (the "District") to contract bonded indebtedness on behalf of the District and upon the credit thereof by issuing general obligation bonds of the District to secure funds for the following purposes in the following amount:

Purpose:	Amount Authorized At Election	Amount Previously Issued	Amount To Be Issued
Erecting, furnishing, constructing, purchasing, remodeling and equipping buildings and utility facilities, exclusive of stadiums; making other real property improvements; purchasing grounds; and purchasing and installing computer hardware and software; or any combination of these purposes (the "Improvement Project").	$15,000,000	$0	Up to $15,000,000

WHEREAS, the Board has determined, and does hereby determine, that it is necessary and in the best interest of the District and the inhabitants thereof that up to $15,000,000 of the general

obligation bonds authorized at the Election be issued at this time (the "Bonds") pursuant to this Resolution and a Sale Certificate to be executed by the President of the Board, Associate Campus Director & Vice President For Academic Affairs, and Vice President For Business and Finance of the District (each a "Delegate") as authorized by Section 6-14-10.2, NMSA 1978 (the "Sale Certificate");

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF NMSU ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT, IN THE COUNTY OF OTERO AND THE STATE OF NEW MEXICO:

Section 1. The Board hereby determines to proceed with the issuance, sale, and delivery of the Bonds. All actions heretofore taken by the Board and the officers and employees of the District directed toward the issuance and sale of the Bonds be and the same hereby are, ratified, approved and confirmed, and the sale of the Bonds in an amount not to exceed $15,000,000, subject to the terms of the Sale Certificate, is approved and confirmed. The Board hereby appoints BOKF, NA to serve as paying agent and registrar for the Bonds. The form of the Paying Agent and Registrar Agreement submitted to the Board with the adoption of this Resolution is hereby approved.

The final terms of the Bonds shall be within the parameters set forth below:

(a) The maximum par amount of the Bonds shall not be more than $15,000,000.

(b) The final maturity of the Bonds shall be no later than August 1, 2044 (or a maximum of 20 years from the date of issuance).

(c) The maximum interest rate on the Bonds shall be no greater than 10.00% per annum.

(d) The Bonds shall be sold pursuant to a private sale to the New Mexico Finance Authority (the "Purchaser").

(e) The Purchaser's discount shall not exceed 2% of the aggregate principal amount of the Bonds.

(f) The Bonds may be subject to optional and/or mandatory sinking fund redemption as set forth in the Sale Certificate.

(g) The Bonds will not be sold for less than par plus accrued interest thereon from their dated date to the date of delivery, if any.

The Delegate is hereby authorized pursuant to this Resolution to determine the final terms of the Bonds including any additional terms as permitted by Section 6-14-10.2 NMSA 1978, award the Bonds to the Purchaser, and to execute a Sale Certificate in conformance with these parameters. The Delegate is authorized to enter into a Bond Purchase Agreement with the Purchaser in conformance with the parameters set forth in this Resolution.

Section 2. Pursuant to the Supplemental Public Securities Act, Section 6-14-8 to 6-14-11, NMSA 1978, as amended, each Delegate is hereby delegated authority to award the Bonds to the Purchaser in the Sale Certificate and to enter into a Bond Purchase Agreement with the Purchaser with such terms as are not inconsistent with this Resolution. The Delegate shall present the Sale Certificate to the Board at a public meeting certifying that the terms of the Bonds comply with the parameters and conditions of this Resolution.

Section 3. The Bonds were authorized at an election held within the District on November 7, 2023. The Bonds shall constitute the general obligation bonds of the District, payable from general ad valorem taxes which levy shall not exceed five mills; provided, however, that this five-mill limitation may be exceeded in any year in which the valuation of the property within the District declines to a level lower than the valuation of the property within the District in the year in which the Bonds were issued. The full faith and credit of the District shall be, and hereby is, irrevocably pledged to the payment of the principal of and interest on the Bonds. The Bonds shall recite that they are issued under authority of the College District Tax Act, Sections 21-2A-1 through 21-2A-10, inclusive, NMSA 1978. Such recital shall conclusively impart full compliance with all of the provisions of College District Tax Act, Sections 21-2A-1 through 21-2A-10, inclusive, NMSA 1978, and the Bonds shall be incontestable for any cause whatsoever after their delivery for value.

Section 4. A. In order to provide funds for the purpose of erecting, furnishing, constructing, purchasing, remodeling and equipping buildings and utility facilities, exclusive of stadiums; making other real property improvements; purchasing grounds; and purchasing and installing computer hardware and software; or any combination of these purposes, the Board, on behalf of the District and upon the full faith and credit thereof, shall issue the Bonds maturing and bearing interest as set forth in the Sale Certificate pursuant to the College District Tax Act.

B. The Bonds shall be dated the date of issuance and delivery (herein the "Series Date"), will be issued in one series and shall consist of bonds numbered consecutively from R-1 upward, issuable in the denomination of $5,000 each or integral multiples thereof (provided that no individual bond will be issued for more than one maturity); shall bear interest on the basis of a 360-day year and twelve 30-day months from the most recent date to which interest has been paid or provided for or, if no interest has been paid or provided for, from the Series Date to maturity at the rates per annum set forth in the Sale Certificate; payable to the registered owner thereof, or registered assigns, on February 1, 2026 or such other date specified in the Sale Certificate, and semiannually thereafter on February 1 and August 1 in each year in which the Bonds are outstanding and shall mature on August 1 of each year set forth in the Sale Certificate. The net effective interest rate on the Bonds shall not exceed 10.00% per annum.

Bonds which are reissued upon transfer, exchange or other replacement shall bear interest from the most recent interest payment date to which interest has been fully paid or provided for in full or, if no interest has been paid, from the Series Date.

C. The principal of and interest on the Bonds due at maturity shall be payable to the registered owner thereof as shown on the registration books kept by BOKF, NA, as "registrar/paying agent" (such bank and any successor thereto, the "Registrar/Paying Agent") for

the Bonds, upon maturity and upon presentation and surrender thereof at the principal corporate trust office of the Registrar/Paying Agent. If any Bond shall not be paid upon such presentation and surrender at or after maturity, it shall continue to draw interest at the rate borne by said Bond until the principal thereof is paid in full. Payment of interest on the Bonds (other than at maturity) shall be made by check or draft mailed by the Registrar/Paying Agent (or by such other arrangement as may be mutually agreed to by the Registrar/Paying Agent and such registered owner), on or before each interest payment date (or, if such interest payment date is not a business day, on or before the next succeeding business day), to the registered owner thereof as of the close of business on the Record Date (defined below) at his address as it appears on the registration books kept by the Registrar/Paying Agent. All such payments shall be made in lawful money of the United States of America. The term "Record Date" as used herein with respect to any interest payment date shall mean the 15th day of the month preceding an interest payment date. The person in whose name any Bond is registered at the close of business on any Record Date with respect to any interest payment date shall be entitled to receive the interest payable thereon on such interest payment date notwithstanding any transfer or exchange thereof subsequent to such Record Date and prior to such interest payment date; but interest on any Bond which is not timely paid or duly provided for shall cease to be payable as provided above and shall be payable to the person in whose name such Bond is registered at the close of business on a special record date (the "Special Record Date") fixed by the Registrar/Paying Agent for the payment of any such overdue interest. The Special Record Date shall be fixed by the Registrar/Paying Agent whenever moneys become available for payment of overdue interest, and notice of any such Special Record Date shall be given not less than ten days prior thereto, by first-class mail, to the registered owners of the Bonds as of the fifth day preceding the mailing of such notice by the Registrar/Paying Agent, stating the Special Record Date and the date fixed for the payment of overdue interest.

D. The Bonds may be subject to redemption prior to their maturity at the option of the Board as set forth in the Sale Certificate, in one or more units of principal of $5,000, in whole or in part at any time, at par value, in such order of maturities as the District may determine (and by lot if less than all of the Bonds of such maturity are redeemed) plus accrued interest to the date fixed for redemption.

The Bonds may be subject to mandatory sinking fund redemption as set forth in the Sale Certificate.

E. Notice of redemption of the Bonds will be given by the Registrar/Paying Agent by sending a copy of such notice by first-class, postage prepaid mail not less than 30 days prior to the redemption date to the address shown as of the fifth day prior to the mailing of notice on the registration books by the Registrar/Paying Agent. The District shall give the Registrar/Paying Agent notice of the Bonds to be called for redemption at least 15 days prior to the date that the Registrar/Paying Agent is required to give owners notice of redemption specifying the Bonds and the principal amount to be called for redemption and the applicable redemption dates. The Registrar/Paying Agent's failure to give such notice to the registered owner of any Bond, or any defect therein, shall not affect the validity of the proceedings for the redemption of any Bonds for which proper notice was given. The notice will specify the number or numbers and maturity date or dates of the Bonds to be redeemed (if less than all are to be redeemed) the principal amount of any Bond to be redeemed in part, the date fixed for redemption,

and that on such redemption date there will become and be due and payable upon each Bond or part thereof to be redeemed at the office of the Registrar/Paying Agent the principal amount thereof to be redeemed plus accrued interest, if any, to the redemption date and that from and after such date interest will cease to accrue on the principal amount redeemed. Such notice may be a conditional notice of redemption insofar as the money or securities necessary to pay the redemption price of the Bonds are not required to be on deposit with the Registrar/Paying Agent prior to the giving of notice of optional redemption of the Bonds. If notice is given in the manner provided above, the Bond or Bonds or part thereof called for redemption will become due and payable on the redemption date designated and if an amount of money sufficient to redeem all Bonds called for redemption is on deposit with the Registrar/Paying Agent on the redemption date, the Bonds or part thereof to be redeemed shall be deemed to be not outstanding and will cease to bear or accrue interest from and after such redemption date. Upon presentation of a Bond to be redeemed at the office of the Registrar/Paying Agent on or after the redemption date, the Registrar/Paying Agent will pay such Bond, or portion thereof called for redemption.

Section 5. Execution and Authentication of Bonds.

A. Method of Execution. The Bonds shall bear the manual or facsimile signature of the President of the Board and shall be attested by the manual or facsimile signature of the Secretary of the Board. The Bonds shall be authenticated by the manual signature of an authorized officer of the Registrar/Paying Agent. The Bonds bearing the signatures or facsimile signatures of the officers in office at the time of the signing thereof shall be the valid and binding obligations of the District, notwithstanding that before the delivery of the Bonds and payment therefor, or before the issuance thereof upon transfer or exchange, any or all of the persons whose signatures appear on the Bonds shall have ceased to fill their respective offices.

B. Filing Manual Signatures. The President and Secretary of the Board may, by the execution of a signature certificate pertaining to the Bonds, adopt as and for their respective signatures the facsimiles thereof appearing on the Bonds; and, at the time of the execution of the signature certificate, the President and Secretary may each adopt as and for his or her facsimile signature the facsimile signature of his or her predecessor in office in the event that such facsimile signature appears upon any of the Bonds. The President and Secretary of the Board, pursuant to Sections 6-9-1 through 6-9-6, inclusive, NMSA 1978, may each forthwith file his manual signature, certified by him under oath, with the Secretary of State of New Mexico, provided that such filing shall not be necessary for any officer where any previous filing shall have application to the Bonds.

C. Authentication. No Bond shall be valid or obligatory for any purpose unless the certificate of authentication, substantially in the form hereinafter provided, has been duly executed by the Registrar/Paying Agent. The Registrar/Paying Agent's certificate of authentication shall be deemed to have been duly executed by it if manually signed by an authorized officer of the Registrar/Paying Agent, but it shall not be necessary that the same officer sign the certificate of authentication on all of the Bonds issued hereunder.

Section 6. Registration, Transfer, Exchange and Ownership of Bonds.

A. Registration, Transfer and Exchange. Books for the registration and transfer of the Bonds shall be kept by the Registrar/Paying Agent, which is hereby appointed by the District as registrar and as paying agent for the Bonds. Upon the surrender for transfer of any Bond at the principal corporate trust office of the Registrar/Paying Agent, duly endorsed for transfer or accompanied by an assignment duly executed by the registered owner or his attorney duly authorized in writing, the Registrar/Paying Agent shall authenticate and deliver not more than three business days after receipt of the Bond to be transferred in the name of the transferee or transferees a new Bond or Bonds in fully registered form of the same aggregate principal amount of authorized denominations, and of the same maturity, interest rate and series, bearing a number or numbers not contemporaneously outstanding. Bonds may be exchanged at the principal corporate trust office of the Registrar/Paying Agent for an equal aggregate principal amount of Bonds of other authorized denominations, and of the same maturity, series and interest rate. The Registrar/Paying Agent shall authenticate and deliver not more than three business days after receipt of the Bond to be exchanged a Bond or Bonds which the registered owner making the exchange is entitled to receive, bearing a number or numbers not contemporaneously outstanding. Exchanges and transfers of Bonds as herein provided shall be without charge to the owner or any transferee, but the Registrar/Paying Agent may require the payment by the owner of any Bond requesting exchange or transfer of any tax or other governmental charge required to be paid with respect to such exchange or transfer.

B. Owner of the Bonds. The person in whose name any Bond shall be registered on the registration books kept by the Registrar/Paying Agent, shall be deemed and regarded as the absolute owner thereof for the purpose of making payment thereof and for all other purposes except as may otherwise be provided with respect to payment of overdue interest as is provided in Section 4 hereof; and payment of or on account of either principal or interest on any Bond shall be made only to or upon the written order of the registered owner thereof or his legal representative, but such registration may be changed upon transfer of such Bond in the manner and subject to the conditions and limitations provided herein. All such payments shall be valid and effectual to discharge the liability upon such Bond to the extent of the sum or sums so paid.

C. Replacement Bonds. If any Bond shall be lost, stolen, destroyed or mutilated, the Registrar/Paying Agent shall, upon receipt of the mutilated Bond or other proof of loss or destruction, proof of ownership, a surety bond in twice the face amount of the Bond, payment of the cost of preparing and issuing the new Bond, and other such evidence, information or indemnity relating thereto as it may reasonably require and as may be required by law, authenticate and deliver a replacement Bond or Bonds of a like aggregate principal amount of authorized denominations, and of the same maturity, interest rate and series, bearing a number or numbers not contemporaneously outstanding. If such lost, stolen, destroyed or mutilated Bond shall have matured, the Registrar/Paying Agent may pay such Bond in lieu of replacement.

D. Delivery of Bond Certificates to Registrar/Paying Agent. The officers of the District are authorized to deliver to the Registrar/Paying Agent fully executed but unauthenticated Bonds in such quantities as may be convenient to be held in custody by the Registrar/Paying Agent pending use as herein provided.

E. Cancellation of Bonds. Whenever any Bond shall be surrendered to the Registrar/Paying Agent upon payment thereof, or to the Registrar/Paying Agent for transfer, exchange or replacement as provided herein, such Bond shall be promptly cancelled by the Registrar/Paying Agent, and counterparts of a certificate of such cancellation shall be furnished by the Registrar/Paying Agent to the District.

F. Book Entry. Notwithstanding any other provision herein, the Bonds may be issued or registered, in whole or in part, in book-entry form from time to time with no physical distribution of bond certificates made to the public, with The Depository Trust Company of New York, New York (the "Depository"), acting as securities depository for the Bonds. A single certificate for each maturity date of the Bonds issued in book-entry form will be delivered to the Depository and immobilized in its custody. The book-entry system will evidence ownership of the Bonds in authorized denominations, with transfer of ownership effected on the books of the Depository and its participants (the "Participants"). As a condition to delivery of the Bonds in book-entry form, the purchaser will, immediately after acceptance of delivery thereof, deposit, or cause to be deposited, the Bond certificates with the Depository, registered in the name of the Depository or its nominee. Principal and interest will be paid to the Depository or its nominee as the registered owner of the Bonds. The transfer of principal and interest payments to Participants will be the responsibility of the Depository; the transfer of principal and interest payments to the beneficial owners of the Bonds (the "Beneficial Owners") will be the responsibility of Participants and other nominees of Beneficial Owners maintaining a relationship with Participants (the "Indirect Participants"). The District will not be responsible or liable for maintaining, supervising or reviewing the records maintained by the Depository, Participants or Indirect Participants.

If (i) the Bonds are not eligible for the services of the Depository, (ii) the Depository determines to discontinue providing its services with respect to the Bonds or (iii) the District determines that a continuation of the system of book-entry transfers through the Depository ceases to be beneficial to the District or the Beneficial Owners, the District will either identify another similar depository to perform such functions or certificates for the Bonds will be delivered to the Beneficial Owners or their nominees, and the Beneficial Owners or their nominees, upon authentication of Bonds and registration of those Bonds in the Beneficial Owners' or nominees' names, will become the owners of the Bonds for all purposes. In that event, the District shall mail an appropriate notice to the Depository for notification to Participants, Indirect Participants and Beneficial Owners of the substitute Depository or the issuance of bond certificates to Beneficial Owners or their nominees, as applicable.

Officers of the District are authorized to sign agreements with or letters to the Depository relating to the matters set forth in this Section.

Notwithstanding any other provision herein, so long as all of the Bonds are registered in the name of the Depository or its nominee, all payments of principal and interest on the Bonds, and all notices with respect to the Bonds, shall be made and given by the Registrar/Paying Agent or the District to the Depository as provided in this Bond Resolution and by the Depository to its Participants or Indirect Participants and notices to the Beneficial Owners of the Bonds in the manner provided in an agreement or letter of the District to the Depository.

Section 7. Successor Registrar/Paying Agent. If the Registrar/Paying Agent initially appointed hereunder shall resign, or if the District shall reasonably determine that the Registrar/Paying Agent has become incapable of fulfilling its duties hereunder, the District may, upon notice mailed to each registered owner of Bonds at the address last shown on the registration books, appoint a successor registrar/paying agent. Every such successor registrar/paying agent shall be a bank or trust company located in and in good standing in the United States and having a shareholders' equity (e.g., capital stock, surplus and undivided profits), however denominated, of not less than $10,000,000.

Section 8. Negotiability. Subject to the registration provisions hereof, the Bonds hereby authorized shall be fully negotiable and shall have all the qualities of negotiable paper, and the registered owner or owners thereof shall possess all rights enjoyed by the holders of negotiable instruments under the provisions of the Uniform Commercial Code.

Section 9. Form of Bonds. The Bonds shall be in substantially the following form:

[Form of Bond]

REGISTERED NO. _____ REGISTERED $_____

NMSU ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT
COUNTY OF OTERO, NEW MEXICO
GENERAL OBLIGATION (LIMITED TAX) BONDS,
SERIES 2025

Registered Owner: _____

Principal Amount: _____DOLLARS

Interest Rate:	Maturity Date:	Series Date:
____% per annum	August 1, 20__	_____June_, 2025

The governing board (the "Board") of NMSU Alamogordo Branch Community College District, County of Otero, New Mexico (the "District"), on the faith, credit and behalf of the District, for value received, hereby promises to pay to the registered owner named above, or registered assigns, the principal amount hereof on the Maturity Date and to pay interest on the principal amount at the Interest Rate on [February 1, 2026], and thereafter on August 1 and February 1 of each year (the "Interest Payment Date") from the Series Date to its maturity. The

principal of the bonds of the series of which this is one (the "Bonds") and interest due at maturity shall be payable to the registered owner thereof as shown on the registration books kept by BOKF, NA, Albuquerque, New Mexico, as "registrar/paying agent" (such bank and any successor thereto, the "Registrar/Paying Agent") for the Bonds, upon maturity and upon presentation and surrender thereof at the principal corporate trust office of the Registrar/Paying Agent. If any Bond shall not be paid upon such presentation and surrender at or after maturity, it shall continue to draw interest at the rate borne by said Bond until the principal thereof is paid in full. Payment of interest on the Bonds (other than at maturity) shall be made by check or draft mailed by the Registrar/Paying Agent (or by such other arrangement as may be mutually agreed to by the Registrar/Paying Agent and such registered owner), on or before each Interest Payment Date (or, if such Interest Payment Date is not a business day, on or before the next succeeding business day), to the registered owner thereof as of the close of business on the Record Date (defined below) at his address as it appears on the registration books kept by the Registrar/Paying Agent. All such payments shall be made in lawful money of the United States of America. The term "Record Date" as used herein with respect to any Interest Payment Date shall mean the 15th day of the month preceding an Interest Payment Date. The person in whose name any Bond is registered at the close of business on any Record Date with respect to any Interest Payment Date shall be entitled to receive the interest payable thereon on such Interest Payment Date notwithstanding any transfer or exchange thereof subsequent to such Record Date and prior to such Interest Payment Date; but interest on any Bond which is not timely paid or duly provided for shall cease to be payable as provided above and shall be payable to the person in whose name such Bond is registered at the close of business on a special record date (the "Special Record Date") fixed by the Registrar/Paying Agent for the payment of any such overdue interest. The Special Record Date shall be fixed by the Registrar/Paying Agent whenever moneys become available for payment of overdue interest, and notice of any such Special Record Date shall be given not less than ten days prior thereto, by first-class mail, to the registered owners of the Bonds as of the fifth day preceding the mailing of such notice by the Registrar/Paying Agent, stating the Special Record Date and the date fixed for the payment of overdue interest.

The Bonds are fully registered and are issuable in denominations of $5,000 and any integral multiple thereof (provided that no individual bond may be issued for more than one maturity).

The series of Bonds of which this bond is one is limited to the total principal amount of $_____ of like tenor except as to number, denomination, maturity date, and interest rate, issued by NMSU Alamogordo Branch Community College District, County of Otero, New Mexico, for the purpose of erecting, furnishing, constructing, purchasing, remodeling and equipping buildings and utility facilities, exclusive of stadiums, making other real property improvements, purchasing grounds and purchasing and installing computer hardware and software, or any combination of these purposes, under the authority of and in full conformity with the Constitution and laws of the State of New Mexico (particularly Sections 21-2A-1 through 21-2A-10 and Sections 21-14-1 through 21-14-15 NMSA 1978, and acts amendatory and supplemental thereto), and pursuant to a resolution of the Board duly adopted on March 14, 2025, as supplemented by the Sale Certificate dated May __, 2025, and made a law of the District prior to the issuance of this bond (collectively, the "Bond Resolution").

Bonds maturing on and after August 1, ____, are subject to redemption prior to their maturity on or after August 1, _____, at the option of the Board, in one or more units of principal of $5,000, in whole or in part at any time, at par value, in such order of maturities as the District may determine (and by lot if less than all of the Bonds of such maturity are redeemed).

The Registrar/Paying Agent will maintain the books of the District for the registration of ownership of the Bonds. Upon the surrender for transfer of any Bond at the principal corporate trust office of the Registrar/Paying Agent, duly endorsed for transfer or accompanied by an assignment duly executed by the registered owner or his attorney duly authorized in writing, the Registrar/Paying Agent shall authenticate and deliver not more than three business days after receipt of the Bond to be transferred in the name of the transferee or transferees a new Bond or Bonds in fully registered form of the same aggregate principal amount of authorized denominations, and of the same maturity, interest rate and series, bearing a number or numbers not contemporaneously outstanding. Bonds may be exchanged at the principal corporate trust office of the Registrar/Paying Agent for an equal aggregate principal amount of Bonds of other authorized denominations, and of the same maturity, series and interest rate. The Registrar/Paying Agent shall authenticate and deliver not more than three business days after receipt of the Bond to be exchanged a Bond or Bonds which the registered owner making the exchange is entitled to receive, bearing a number or numbers not contemporaneously outstanding. Exchanges and transfers of Bonds as herein provided shall be without charge to the owner or any transferee, but the Registrar/Paying Agent may require the payment by the owner of any Bond requesting exchange or transfer of any tax or other governmental charge required to be paid with respect to such exchange or transfer.

The person in whose name any Bond shall be registered on the registration books kept by the Registrar/Paying Agent, shall be deemed and regarded as the absolute owner thereof for the purpose of making payment thereof and for all other purposes except as may otherwise be provided with respect to payment of interest; and payment of or on account of either principal or interest on any Bond shall be made only to or upon the written order of the registered owner thereof or his legal representative, but such registration may be changed upon transfer of such Bond in the manner and subject to the conditions and limitations provided herein. All such payments shall be valid and effectual to discharge the liability upon such Bond to the extent of the sum or sums so paid.

If any Bond shall be lost, stolen, destroyed or mutilated, the Registrar/Paying Agent shall, upon receipt of the mutilated Bond or other proof of loss or destruction, proof of ownership, a surety bond in twice the face amount of the Bond, payment of the cost of preparing and issuing the new Bond, and such other evidence, information or indemnity relating thereto as it may reasonably require and as may be required by law, authenticate and deliver a replacement Bond or Bonds of a like aggregate principal amount of authorized denominations, and of the same maturity, interest rate and series, bearing a number or numbers not contemporaneously outstanding. If such lost, stolen, destroyed or mutilated Bond shall have matured, the Registrar/Paying Agent may pay such Bond in lieu of replacement.

For the punctual payment of the principal of and interest on this bond as aforesaid and for the levy and collection of taxes in accordance with the statutes authorizing the issuance of this

bond, the full faith and credit of the District is hereby irrevocably pledged. The Board has, by the Bond Resolution, ordered the creation of an interest and sinking fund for the payment of the Bonds. Such fund is to be held in trust for the benefit of the owner or owners of the Bonds.

It is hereby certified, recited and warranted that all the requirements of law have been complied with by the proper officials of the District in the issuance of this bond; that the total indebtedness of the District, including that of this bond, does not exceed any limit of indebtedness prescribed by the Constitution or laws of the State of New Mexico; that issuance of this bond was duly authorized by the legally qualified voters of the District at an election held on November 7, 2023; that provision has been made for the levy and collection of annual taxes sufficient to pay the principal of and the interest on this bond when the same become due; that the Bonds of which this bond is one are issued under authority of Sections 21-2A-1 through 21-2A-10, inclusive, NMSA 1978 which recital conclusively imparts full compliance with all of the provisions of Sections 21-2A-1 through 21-2A-10, inclusive, NMSA 1978; and that the Bonds of which this bond is one are incontestable for any cause whatsoever after their delivery for value. The levy for the payment of principal and interest on the Bonds shall not exceed five mills; provided, however, that this five-mill limitation may be exceeded in any year in which the valuation of the property within the District declines to a level lower than the valuation of the property in the year in which the Bonds were issued. This bond shall not be valid or obligatory for any purpose until the Registrar/Paying Agent shall have manually signed the certificate of authentication hereon.

IN TESTIMONY WHEREOF, the governing board of the District has caused t this bond to be signed and executed with the manual or facsimile signature of the President, and attested with the manual or facsimile signature of the Secretary of the governing board of the District, all as of the Series Date.

GOVERNING BOARD OF THE
NMSU ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT

By: (Manual or Facsimile Signature)
President

ATTEST:

By: (Manual or Facsimile Signature)
Secretary

[Form of Certificate of Authentication]

This bond is one of the Bonds described in the Bond Resolution and has been duly registered on the registration books kept by the undersigned as Registrar/Paying Agent for the Bonds.

Date of Authentication and Registration: June __, 2025

BOKF, NA
as Registrar/Paying Agent

By:_____
Authorized Officer

[End of Form of Certificate of Authentication]

[Form of Assignment]

ASSIGNMENT

For value received, the undersigned sells, assigns and transfers unto _____ whose social security or tax identification number is _____ the within bond and irrevocably constitutes and appoints _____ attorney to transfer such bond on the books kept for registration thereof, with full power of substitution in the premises.

Dated:_____ _____

Signature Guaranteed: _____

_____

NOTE: The assignor's signature to this assignment must correspond with the name as it appears upon the face of the within bond in every particular, without alteration or enlargement or any change whatsoever.

[End of Form of Assignment]
[End of Form of Bond]

Section 10. Delivery of Bonds. When the Bonds have been duly executed and authenticated, they shall be delivered to the lawful purchaser thereof named in the Sale Certificate. The funds realized from the sale of the Bonds shall be applied solely to the specified purpose for the Bonds, but the purchaser of the Bonds shall in no manner be responsible for the application of or disposal by the District, or any of its officers, of any of the funds derived from the sale thereof.

Section 11. Security for the Bonds. There shall be levied on all taxable property in the District, at the time and in the manner provided by law, in addition to all other taxes, direct annual ad valorem taxes sufficient to pay the principal of and interest accruing on the Bonds promptly as the same shall become due. This levy, pursuant to Sections 21-2A-6 and 21-2A-7, NMSA 1978, shall not exceed five mills; provided, however, that this five mill limitation may be exceeded in any year in which the valuation of the property within the District declines to a level lower than the valuation of the property in the year in which the Bonds were issued. This Resolution as supplemented by the Sale Certificate is hereby declared to be the certificate to the Boards of County Commissioners of Otero County, New Mexico, as to the amount of taxes necessary to be levied for the purposes herein stated and said taxes shall be certified, levied and extended upon the tax rolls and collected in the same manner, at the same time and subject to the same penalties as general state and county taxes are certified, levied and collected. Said taxes, when collected, shall be kept by the District in an interest and sinking fund, which is hereby created, to be used solely for the purpose of paying the principal of and interest on the Bonds as the same become due or mature; provided that nothing herein contained shall be so construed as to prevent the application of any other funds belonging to the District and available for that purpose, to the payment of the Bonds or the interest thereon, as the same become due and upon such payment the levy or levies of tax provided for in this Section may thereupon to that extent be diminished. If the taxes herein provided for shall not be levied or collected in time to pay the interest on or principal of the Bonds as the same become due or mature, then such interest or principal shall be paid from any funds belonging to the District, which funds may be reimbursed from the taxes herein provided for when the same are collected.

Section 12. Delegated Authority and Execution of Documents. The President, Vice-President, Secretary and other officers and employees of the District be and they hereby are authorized and directed to take all action necessary or appropriate to effectuate the provisions of this Resolution, including without limiting the generality of the foregoing, the entering into of a registrar/paying agent agreement, the printing of the Bonds, the execution of a continuing disclosure undertaking for the benefit of the Bond Purchaser, if necessary, the execution of letters and agreements with the Depository, the printing and execution of disclosure documents relating to the Bonds, and such certificates as may be required by the Bond purchaser or bond counsel relating to, among other things, the signing of the Bonds, the tenure and identity of District officials, the receipt of the purchase price of the Bonds from the purchaser and the absence of litigation, pending or threatened, if in accordance with the facts, affecting the validity thereof and the absence and existence of factors affecting the exclusion of interest on the Bonds from gross income for federal income tax purposes. The form of the Capital Projects Escrow Agreement submitted to the Board in conjunction with this Resolution is hereby approved, and officers of the District are authorized to enter into the Capital Projects Escrow Agreement with such changes are are consistent with the terms of this Resolution and the Sale Certificate.

Section 13. Defeasance. When all principal and interest in connection with the Bonds have been duly paid, the pledge therefor and all obligations of the District hereunder shall thereby be discharged and the Bonds shall no longer be deemed to be outstanding. There shall be deemed to be such payment when the District has caused to be placed in escrow and in trust with a bank doing business in the State which is a member of the Federal Deposit Insurance Corporation and

exercising trust powers, an amount sufficient (including the known minimum yield from direct obligations of the United States or securities that are unconditionally guaranteed by the United States ("Government Obligations"), in which such amounts are or may be initially invested) to meet all requirements of principal and interest on the Bonds as the same become due to their final maturities or upon designated prior redemption dates. The Government Obligations shall become due prior to the respective times on which the proceeds thereof shall be needed, in accordance with a schedule established and agreed upon between the District and such bank at the time of the creation of the escrow, or the Government Obligations shall be subject to redemption at the option of the holders or owners thereof to assure such availability as needed to meet such schedule. If any Bond is to be redeemed prior to maturity, notice of redemption shall have been given or arrangements satisfactory to the Registrar/Paying Agent shall have been made for the giving of such notice.

Section 14. Protective Covenants.

A. Authorization. The District covenants that it will restrict the use of the proceeds of the Bonds in such manner and to such extent, if any, as may be necessary so that the Bonds will not constitute arbitrage bonds under Section 148 of the Internal Revenue Code of 1986, as amended (the "Code"). The President any other officer and employee of the District having responsibility for the issuance of the Bonds shall give an appropriate certificate of the District, for inclusion in the transcript of proceedings for the Bonds, setting forth the reasonable expectations of the District regarding the amount and use of all the proceeds of the Bonds, the facts, circumstances and estimates on which they are based, and other facts and circumstances relevant to the tax treatment of interest on the Bonds.

B. Tax Compliance. The District covenants that it (a) will take or cause to be taken such actions which may be required of it for the interest on the Bonds to be and remain excluded from gross income for federal income tax purposes, and (b) will not take or permit to be taken any actions which would adversely affect that exclusion, and that it, or persons acting for it, will, among other acts of compliance, (i) apply the proceeds of the Bonds to the governmental purpose of the borrowing, (ii) restrict the yield, as required, on investment property acquired with those proceeds, (iii) make timely rebate payments, if required, to the federal government, (iv) maintain books and records and make calculations and reports, and (v) refrain from certain uses of proceeds; all in such manner and to the extent necessary to assure such exclusion of that interest under the Code. The President, Vice-President, Secretary, President of the Board, Associate Campus Director & Vice President For Academic Affairs, Vice President For Business and Finance of the District, and other appropriate officers and employees are hereby authorized and directed to take any and all actions, make calculations and rebate payments, and make or give reports and certifications, as may be appropriate to assure such exclusion of that interest.

In furtherance of the covenants contained herein, the District hereby adopts the post-issuance tax compliance policies and procedures (the "Post-Issuance Tax Compliance Procedures") attached hereto as Exhibit A. The Board hereby designates the Vice President for Business and Finance as the Compliance Officer for purposes of the Post-Issuance Tax Compliance Procedures. The Compliance Officer is hereby authorized, empowered and directed to do all such acts and things and to execute all such documents as may be necessary to carry out

and comply with the provisions of this Resolution and the Post-Issuance Compliance Procedures, and is further authorized to take any and all further actions and execute and deliver any and all other certificates, papers and documents as may be necessary or desirable to effect the actions contemplated by this Resolution and the Post-Issuance Tax Compliance Procedures.

Section 15. Attorney General Approval. The Bonds shall not be issued unless and until the approval of the Attorney General of the State of New Mexico as to form and legality of the Bonds shall have been obtained as required by Section 21-2A-6 NMSA 1978, as amended and supplemented from time to time.

Section 16. Investment of Money. Moneys in any fund not immediately needed may be invested as provided by state law and applicable federal statutes and regulations, provided that the Board and the District hereby covenant to the purchasers and the holders of the Bonds from time to time that the District will make no use of the proceeds of the Bonds or any funds reasonably expected to be used to pay the principal of or interest on the Bonds which will cause the Bonds to be arbitrage bonds within the meaning of Section 148 of the Code, as amended, or which would adversely affect the tax status of interest on the Bonds under the Code. This covenant is for the benefit of the purchasers and the holders of the Bonds from time to time.

Section 17. Continuing Disclosure Undertaking. To assist the purchaser in complying with Securities and Exchange Commission Rule 15c2-12(b)(5), at the time of delivery of the Bonds, the District will undertake, pursuant to a written continuing disclosure undertaking, to provide annual financial information and notices of certain material events. In addition, the District shall provide such disclosure as required by the Purchser for the purchase of the Bonds as set forth in the Sale Certificate or Bond Purchase Agreement. Notwithstanding any other provisions of this Resolution, failure of the District to comply with the Continuing Disclosure Undertaking or disclosure obligations to the Purchaser shall not be considered an "event of default" under Section 17 hereof, and holders and beneficial owners of Bonds shall be entitled to exercise only such rights with respect thereto as are provided in the Continuing Disclosure Undertaking.

Section 18. Irrepealable. After any of the Bonds have been issued, this resolution shall constitute a contract between the District and the holder or holders of the Bonds and shall be and remain irrepealable and unalterable until the Bonds and the interest thereon shall have been fully paid, satisfied and discharged, defeased or until such payment has been duly provided for.

Section 19. Severability. If any section, paragraph, clause or provision of this resolution shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or provision shall not affect any of the remaining provisions of this resolution.

Section 20. Publication of Notice. The following notice shall be published in substantially the following form one time in a newspaper having general circulation in the District as soon as is practicable after the adoption hereof.

[Form of Notice]

NMSU
ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT
NOTICE OF ADOPTION OF RESOLUTION
AUTHORIZING THE ISSUANCE OF BONDS

NOTICE IS HEREBY GIVEN that the governing board of NMSU Alamogordo Branch Community College District, County of Otero, New Mexico, did on the 19th day of March, 2025, adopt a resolution entitled:

A RESOLUTION AUTHORIZING THE ISSUANCE AND SALE OF NMSU ALAMOGORDO BRANCH COMMUNITY COLLEGE DISTRICT, COUNTY OF OTERO, NEW MEXICO, GENERAL OBLIGATION (LIMITED TAX) BONDS, SERIES 2025 IN AN AGGREGATE PRINCIPAL AMOUNT NOT TO EXCEED $15,000,000, DATED AS OF THE DATE OF DELIVERY, PAYABLE FROM AD VALOREM TAXES LEVIED ON ALL TAXABLE PROPERTY WITHIN THE DISTRICT, LEVIED WITHOUT LIMIT AS TO RATE OR AMOUNT; PROVIDING FOR THE FORM, TERMS AND CONDITIONS OF THE BONDS, THE MANNER OF THEIR EXECUTION, AND THE METHOD OF, AND SECURITY FOR, PAYMENT; PROVIDING FOR THE APPROVAL OF VARIOUS AGREEMENTS RELATING TO THE BONDS; DELEGATING AUTHORITY TO THE PRESIDENT OF THE BOARD, THE ASSOCIATE CAMPUS DIRECTOR & VICE PRESIDENT FOR ACADEMIC AFFAIRS, AND VICE PRESIDENT FOR BUSINESS AND FINANCE TO DETERMINE THE FINAL TERMS OF THE SERIES 2025 BONDS WITHIN THE PARAMETERS ESTABLISHED IN THIS RESOLUTION PURSUANT TO THE SUPPLEMENTAL PUBLIC SECURITIES ACT; AND RATIFYING ACTION PREVIOUSLY TAKEN CONCERNING THE BONDS.

The Resolution directs and authorizes the issuance of NMSU Alamogordo Branch Community College District, County of Otero, New Mexico General Obligation Limited Tax Bonds, Series 2025 (the "Bonds"), in the aggregate principal amount up to $15,000,000; delegates authority to the Delegate to determine the final terms of the Bonds pursuant to the Supplemental Securities Act and to award the sale of the Bonds to the New Mexico Finance Authority as the purchaser of the Bonds in a private sale within the parameters set forth in this Resolution pursuant to a Sale Certificate and to enter into a Bond Purchase Agreement with the New Mexico Finance Authority; provides for the delivery thereof; provides for the form of the Bonds; provides for levy of taxes to pay the principal of and interest on the Bonds; makes certain covenants with the Bond purchaser; and provides other details concerning the Bonds. Complete copies of the Resolution are available for public inspection during normal and regular business hours at the office of the Alamogordo Public School District 1211 Hawaii Avenue, Alamogordo, New Mexico. This notice constitutes compliance with Section 6-14-6 NMSA 1978.

DATED this 19th day of March, 2025.

GOVERNING BOARD
NMSU ALAMOGORDO BRANCH

COMMUNITY COLLEGE DISTRICT

By: _____
President

[End of Form of Notice]

Section 21. Repealer. All acts and resolutions, or parts thereof, in conflict with this Resolution are hereby rescinded, annulled and repealed

PASSED AND APPROVED this 19th day of March, 2025.

GOVERNING BOARD
NMSU ALAMOGORDO BRANCH
COMMUNITY COLLEGE DISTRICT

By_____
President

ATTEST:

_____
Secretary

The motion to adopt the resolution upon being put to a vote was passed and adopted on the following recorded vote:

Those Voting Aye: _____

_____

_____

_____

_____

Those Voting Nay: _____

Those Absent: _____

_____

_____ (__) members of the Board having voted in favor of the motion, the presiding officer declared the motion carried and the resolution adopted, whereupon the President and Secretary signed the resolution. The Secretary was directed to enter the foregoing proceedings and resolution upon the records of the minutes of the Board.

STATE OF NEW MEXICO)
)ss.
COUNTY OF OTERO)

I, Craig Danekas, the duly qualified and acting Secretary of the Governing Board of the NMSU Alamogordo Branch Community College District, do hereby certify:

1. The foregoing pages are a true, correct and complete copy of the record of the proceedings of the Governing Board (the "Board") of the NMSU Alamogordo Branch Community College District (the "District"), had and taken at a duly called, regular, open meeting held at the District offices, 1211 Hawaii Avenue, Alamogordo, New Mexico, on the 19th day of March, 2025, at the hour of 6:00 p.m., insofar as the same relate to the Bond Authorizing Resolution, a copy of which is therein set forth as recorded in the regular book of official records of the proceedings of the District kept in offices of the Alamogordo Public School District.

2. The proceedings were duly had and taken as therein shown, the meeting therein was duly held, and the persons therein named were present at the meeting, as therein shown.

3. Notice of the meeting was given in accordance with the open meetings standards of the District presently in effect. Such notice constitutes compliance with the permitted methods of giving notice of meetings of the Board as required by the open meetings standards resolution adopted by the Board and presently in effect.

IN WITNESS WHEREOF, I have hereunto set my hand this 19th day of March, 2025.

_____
Craig Danekas, Secretary

Y:\dox\client\56430\0277\GENERAL\W5288760.DOCX

NMSU
Alamogordo Branch Community College District
Post-Issuance Tax Compliance Procedures

NMSU Alamogordo Branch Community College District (the "Issuer" or “District”) is adopting these Post-Issuance Tax Compliance Procedures (the "Procedures") to: (1) maximize the Issuer's compliance with the federal tax law requirements applicable to its outstanding tax-exempt obligations and bonds, (the "Bonds"); and (2) identify and resolve any noncompliance matters, on a timely basis, to preserve the tax-exempt status of the Bonds. The approval of these Procedures by the Issuer will be treated by the Issuer as the establishment of written procedures to: (1) ensure that any Bonds that no longer qualify for tax-exempt status are identified and remediated in accordance with the requirements of the Internal Revenue Code of 1986, as amended (the "Code") and applicable regulations, including the remediation provisions of Treas. Reg. Sec. 1.141-12 or other remedial actions authorized by the Commissioner of the Internal Revenue Service under Treas. Reg. Sec. 1.14112(h); and (2) monitor compliance with the requirements of Section 148 of the Code (which include arbitrage, yield restriction and rebate requirements) and related regulations.

1. Monitoring of Post-Issuance Compliance

The Issuer's Vice President for Business and Finance (the "Compliance Officer") will be responsible for monitoring post-issuance compliance for the Bonds pursuant to these Procedures. The Compliance Officer may designate employees of the District to carry out the duties under these Procedures on the Compliance Officer's behalf in the same manner and with the same effect as any similar designation for any other purpose permitted by law.

2. Compliance with Covenants in Bond Documents

The Compliance Officer will ensure compliance with all covenants made by the Issuer in the documents related to the Bonds (the "Bond Documents") which must be complied with to maintain the preferential tax status of the Bonds, including, but not limited to use of the Bond-financed facilities, timely completion of arbitrage rebate calculations, required filings and restrictions on investment of Bond proceeds.

3. Federal Tax Law Compliance

A. Proper Use of and Allocation of Bond Proceeds

The Compliance Officer will ensure that Bond proceeds are allocated to expenditures in a manner that is consistent with the purpose for which each Bond issue was undertaken, as set forth in the Bond Documents. The Compliance Officer will also ensure that allocations of Bond proceeds to expenditures are timely made in accordance with the applicable tax regulations. (e.g., as of the date of adoption of these Procedures, for each Bond issue, allocations of Bond proceeds to expenditures must be made within 18 months after the later of the date the expenditure was made or the date the project was placed in service, but not later than the earlier of five years after the Bonds were issued or 60 days after the Bond issue is retired.)

B. Investment of Bond Proceeds

The Compliance Officer will ensure that Bond proceeds are invested in investments that are permissible under the Bond Documents, and any applicable state laws and federal tax laws (e.g., federal tax law requires that investments purchased with Bond proceeds must be purchased and sold at fair market value).

C. Arbitrage Calculations

The Compliance Officer will ensure the timely completion of arbitrage yield restriction and rebate calculations and filings for each issue of Bonds.

D. Yield Reduction/Rebate Payments

The Compliance Officer will ensure the timely payment, if applicable, of yield reduction payments and/or rebate, for each issue of Bonds.

E. Use of Bond-financed Facilities

The Compliance Officer will review any agreement or other arrangement for the sale, lease, or use of any portion of any Bond-financed facilities, including, but not limited to, service, vendor and management contracts, research agreements, licenses to use Bond-financed property or naming rights agreements for compliance with federal tax laws and the Bond Documents. The Compliance Officer will consult bond counsel for further guidance if necessary.

F. Post-Issuance Transactions

The Compliance Officer will, as directed by the Bond Documents or as other-wise deemed appropriate by the Officer, consult with bond counsel before making any changes or amendments to Bond Documents for a Bond issue, including, but not limited to entering or modifying investment agreements; making any change in security for the Bonds, engaging in post-issuance credit enhancement transactions (e.g., change in letter of credit) or hedging transactions (e.g., interest rate swap, cap); terminating or appointing a successor trustee; changes in mode, releasing any liens; or reissuing a Bond issue.

G. Remedial Action

If at any time during the life of a Bond issue, the Compliance Officer discovers that a violation of federal tax law requirements applicable to that issue may have occurred, the Compliance Officer may consult with bond counsel to determine whether any such violation actually has occurred. If the Compliance Officer determines that a violation has in fact occurred, the Compliance Officer will inform the Board of Trustees (the "Board"), and the Board will take prompt action to accomplish an available remedial action under applicable regulations or to enter into a closing agreement with the IRS under the IRS's Voluntary Closing Agreement Program or other future published guidance.

4. Recordkeeping

A. Responsibility for Records Maintenance

1. The Compliance Officer will be responsible for maintaining records related to the Bonds.

2. The Compliance Officer will maintain a central list of records related to each issue of Bonds. The list shall identify:

i. The name and date of the document related to the issue,

ii. The person or office responsible for the document, and

iii. The physical or electronic location of the document.

B. Bond Records to be Maintained

1. The following documents will be maintained at the Compliance Officer's office (the "Bond Records") in electronic and/or hard-copy for-mat for the term of each issue of Bonds (including refunding Bonds, if any), plus at least three years after the April 15 of the year the last Bond of each issue is retired:

i. The bond transcript for each Bond issue (which includes among other Bond Documents, the trust indenture, loan, lease, or other financing agreement, the relevant IRS Form 8038 (including Forms 8038-G or 8038, as applicable) with proof of filing, the bond counsel opinion and the tax agreement including all attachments, exhibits and any verification report);

ii. Records of debt service payments for each issue of Bonds;

iii. Documentation evidencing the expenditure of Bond proceeds, such as construction or contractor invoices and receipts for equipment and furnishings, bond trustee requisitions and project completion certificates, as well as records of any special allocations made for tax purposes including post-issuance changes in allocations;

iv. Documentation evidencing the lease or use of Bond-financed property by public and private sources, including, but not limited to, service, vendor, and management contracts, research agreements, licenses to use Bond-financed property, or naming rights agreements;

v. Documentation pertaining to investment of Bond proceeds, including the yield calculations for each class of investments, actual investment income received from the investment of proceeds, investment agreements, payments made pursuant to investment agreements and rebate calculations and copies of any 8038-T or 8038-R filed with respect to the Bonds;

vi. Documentation pertaining to remedial action and other change-of-use records;

vii. Amendments and other changes to the Bond Documents (including interest rate conversions and defeasances);

viii. Letters of credit and other guarantees for Bond issues; and

ix. Interest rate swaps and other derivatives that are related to Bond issues.

5. Bond Counsel Review

A. The Compliance Officer may engage bond counsel to assist in implementing these Procedures, including, but not limited to, assistance in the following areas:

1. Rebate calculations and compliance;

2. Records retention;

3. Periodic review of the Bond Records for compliance with federal tax laws regarding private business use;

4. Determination of whether a violation of federal tax law requirements applicable to that Bond issue may have occurred and the Issuer's options to address the violation so the preferential tax status of the Bond issue is maintained;

5. Termination or modification of any interest rate swaps or other derivatives;

6. Review of investment agreements;

7. Modifications to Bond Documents; and

8. Other federal tax law compliance, including any annual reporting requirements that may be imposed by the IRS.

6. Review

The Compliance Officer is responsible for an annual review of each outstanding Bond issue pursuant to these Procedures. The initial review of each outstanding Bond issue must occur within eight (8) months of the adoption of these Procedures and subsequent reviews must be completed by December 31st of each year. Subsequent reviews will focus on events that happened in the immediately preceding year (e.g., new investment agreements, whether a spending exception threshold was met, whether there was a change in use of a portion of the Bond-financed facility). The Compliance Officer is required to present the annual review to the Board. The Compliance Officer may delegate all or any portion of the reviews to other employees, but such employees must report their findings to the Compliance Officer. The Compliance Officer will recommend changes to these Procedures to the Board as appropriate to ensure compliance with any covenants in the Bond Documents and other federal tax law requirements which must be complied with to maintain the preferential tax status of the Bonds.

7. Training Requirements

Within six (6) months of the Compliance Officer's appointment or designation, and on an annual basis every year thereafter, the Compliance Officer and the Compliance Officer's designees will undergo training regarding basic federal tax concepts relating to the Bonds and records required to be maintained under these Procedures. Such training may include, but is not limited to attending post-issuance compliance sessions presented by the Government Finance Officers Association (GFOA), National Association of Bond Lawyers (NABL) or other similar trade organizations and public finance law firms and arbitrage compliance specialists.

8. Deadline Reminder System

For any Bond issues issued after the date of adoption of these Procedures, a deadline reminder sheet will be completed after adoption of these Procedures.

NEW MEXICO STATE UNIVERSITY

APPROVAL OF NMSUA TO PROCEED WITH ISSUANCE AND SALE OF LOCAL GOB – SERIES 2025

Mark Cal, Branch Executive Director NMSU
Antonio Salinas Jr., Vice President for Business and Finance
Katherine McKinney, Modrall Sperling
Erik Harrigan, RBC Capital Markets

BE BOLD. Shape the Future.

Agenda

1) Timetable to this point.

2) NMSUA GOB Finance Plan Update – RBC Capital Markets

3) Resolution Authorizing the Issuance and Sale of Bonds – Modrall Sperling

4) Questions

Timetable to this point

- 2022 - NMSUA HIRES ARCHITECTURAL RESEARCH CONSULTANTS FOR CAPITAL MASTER PLAN
- JANUARY 2023 – ARC COMPLETES PLAN

NMSU Building	Facility ID	Facility	GSF	ARC %	ARC Tier		FCI Score		Project Budget	5-Year Recommendation
292V	ASC	Academic Support	4,327	78.70%	C	Satisfactory	0.0395	Good	$1,248,437	$37,190
292S	AC	Art Center	6,609	72.70%	C	Satisfactory	0	Good	$551,227	Replace*
292G	CB	Classroom Building	19,190	47.50%	F	Poor	0.1988	Poor	$1,656,097	Replace*
292L	FO	Faculty Office	5,417	69.90%	D	Borderline	0.0117	Good	$377,321	Replace*
292T	PP	Physical Plant	3,999	86.50%	B	Good	0.0896	Fair	$59,338	$59,338
292M	FA	Rohovec Fine Arts Center	9,321	75.90%	C	Satisfactory	0.3359	Poor	$3,568,801	$519,877
292U	SC/ AH	Science Center / Allied Health	39,593	83.30%	B	Good	0.0006	Good	$2,802,577	$5,889
292H	SS	Student Services	17,505	88.30%	B	Good	0.4041	Poor	$1,846,533	$1,491,763
292J	SU	Student Union	9,595	86.50%	B	Good	0.398	Poor	$2,308,791	$828,787
292C	Tays/ ATC	Tays Center / Advanced Technology Center	47,471	85.90%	B	Good	0.2282	Poor	$4,132,496	$2,668,494
292N	TE	Technical Center	30,354	85.90%	B	Good	0.3556	Poor	$2,922,657	$2,409,698
292Q	TL	Townsend Library	15,395	81.50%	B	Good	0.031	Good	$366,429	$104,942
		Totals	208,776						$21,840,704	$8,125,978

* Recommend replacement as part of capital strategy (see Ex-17)

New Mexico State University
Five Year Facilities Plan for GOB/STB
NMSU_A.Final Campus

March 29, 2023

2024-2025 (2024 GO Bond)	
Classroom Building Replacement	$7,000,000
Classroom Building (292G) Demolition is the separate request	
(NMSU-A Institutional Fund Commitment $3,000,000 and Local GOB Match $5,000,000)	
2025-2026 (Severance Tax Bond Year)	
Chiller/Boiler repair and replacement campus-wide	1,000,000
Including HVAC renovations, replacement and repairs (Pro-tech Building and campus-wide)	
(NMSU-A Institutional Fund Commitment 350,000)	
Building Envelope Improvements (Protech Building and campus-wide) including windows,	500,000
doors and stucco repairs *(NMSU-A Institutional Fund Commitment $180,000)*	
2026-2027 (2026 GO Bond)	
Chiller/Boiler repair and replacement campus-wide	1,000,000
Including HVAC renovations, replacement and repairs (Reidlinger Science Ctr./Allied Health)	
(NMSU-A Institutional Fund Commitment 350,000)	
Tays Special Events Center Repairs, including HVAC and roof	500,000
(NMSU-A Institutional Fund Commitment $180,000)	
2027-2028 (Severance Tax Bond Year)	
Electronic Access Control for all buildings	1,125,000
(NMSU-A Institutional Fund Commitment $375,000)	
2028-2029 (2028 GO Bond)	
Building Envelope Improvements (Tays Special Events Center and campus-wide) including wind	1,000,000
doors and stucco repairs *(NMSU-A Institutional Fund Commitment $350,000)*	

Timetable to this point

- 2023 STATE RECOMMENDATION AND APPROPRIATED
  - 1) $1.125M GF24 for Demolition of Classroom Building with $375K NMSUA Match
  - 2) $1M for Construction of Classroom Building with NMSUA Matching to come – passed November 2024
- CURRENTLY (FEBRUARY – JUNE)
  - Going thru all Approval Processes for Sale of NMSUA Series 2025 Local GOB $15M including today's Proceed with Issuance and Sale.

3. NMSU GOB Finance Plan Update – RBC Capital Markets
   - Presenter – Erik Harrigan, RBC Capital Markets Managing Director

4. Advisory Board Resolution Authorizing the Issuance and Sale of Bonds – Modrall Sperling
   - Presenter – Katherine McKinney, Modrall Sperling, Attorney

4. QUESTIONS

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # G-5

☐ Action Item
☒ Consent Item
☐ Informational Item

Presented By: Lisa Henderson, General Counsel

Agenda Item: 2025 Annual Open Meetings Notice Resolution

Requested Action of the Board of Regents: Approval of 2025 Annual Open Meetings Notice Resolution

Executive Summary:
As required by the New Mexico Open Meetings Act, the attached Open Meetings Notice Resolution establishes the public notice to be given prior to the Board's meetings. The attached resolution is similar to the Board's Resolution 2024-01 adopted last March.

Notices for meetings are distributed to the news media and posted on the NMSU Regent's website ten days in advance for regular meetings, three days in advance for special meetings, and 24 hours or more, if feasible, for emergency meetings. Meeting agendas are also made available to the public by posting them on the NMSU Regents' website, at least 72 hours in advance of regular and special meetings, and concurrent with the notice for emergency meetings. If an emergency meeting is called that is not as a result of a declared state or federal emergency, a report will also be sent to the Office of the Attorney General.

References:
Redline Version attached

NM Open Meetings Act §10-15-1 D.

Prior Approvals:
N/A

Resolution No. 2025-01

REGENTS OF NEW MEXICO STATE UNIVERSITY

ANNUAL OPEN MEETINGS NOTICE RESOLUTION

WHEREAS, the Open Meetings Act of the State of New Mexico, NMSA 1978, Sections 10-15-1 to -10-15-4 (2013) requires reasonable notice to the public in advance of conducting meetings of a quorum of the members of the Board of Regents held for the purpose of discussing or adopting any proposed resolution, rule, regulation, or other formal action; and

WHEREAS, the Open Meetings Act requires the Regents to determine at least annually what constitutes reasonable notice of its public meetings;

NOW, THEREFORE, BE IT RESOLVED by the Regents of New Mexico State University ("NMSU"), that compliance with the following requirements shall constitute reasonable notice:

1. Meeting Notice Content: NMSU must cause each meeting notice to indicate the meeting date, time, and location, including the city and campus (as applicable), building name, and address, and notice if the meeting will occur electronically.

2. Meeting Notice Method: NMSU will post meeting notices on the NMSU Regents' webpage located on NMSU.edu. In addition, NMSU must transmit each meeting notice to any licensed broadcast station and newspapers of general circulation that have made written requests for notification of meetings within the previous 12 months. NMSU requires each such request to be directed to ucomm@nmsu.edu.

3·. Meeting Notice Timing: NMSU must provide advance notice and an agenda for each meeting as follows:

   a. Regular Meeting Notice - NMSU must provide notice of each regular meeting (scheduled at least quarterly) at least ten days in advance of the meeting date. NMSU must post the regular meeting agenda on the NMSU Regents' website at least 72 hours prior to the meeting.

   b. Special Meeting Notice - NMSU must provide notice of each special meeting at least 72 hours in advance of the meeting date. NMSU must post the special meeting agenda on the NMSU Regents' website at least 72 hours prior to the meeting.

   c. Emergency Meeting Notice - NMSU must provide notice of an emergency meeting - called in the case of any unforeseen circumstance that demands immediate attention to protect the health, safety and property of citizens, or to protect the university from substantial financial loss - 24 hours in advance, unless threat of personal injury, property damage or threat of financial loss requires less notice. NMSU must post the emergency meeting agenda on the NMSU Regents' website at the same time that it posts the notice of emergency meeting.

4. Report of Emergency Meeting: No later than 10 days after taking action on an emergency matter, the Board of Regents shall report to the Office of the New Mexico Attorney General the action taken and the circumstances creating the emergency, unless there has also been a declaration of a state or national emergency, in which case no report is required.

5. Meeting Accessibility: In addition to the information specified above, NMSU must cause all notices of open meetings to include the following language:

   "If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the meeting, please contact the Office of the Regents' at (575) 646-5997 at least three days prior to the meeting, or as soon as possible. Public documents, including the agenda and minutes, may also be provided in various accessible formats. Please contact the Office of the Regents at (575) 646-5997 if a summary or other type of accessible format is needed."

6. Closed/Executive Session: The NMSU Regents may close a meeting to the public and meet in executive session only if the subject matter to be discussed is expressly excepted from public disclosure under the Open Meetings Act, Subsection l0-15-1.H.

   a. If any Regent proposes to close the meeting for executive session during an open meeting a motion for closure is required stating the specific provision of law authorizing the closed meeting and the subject matter to be discussed. The motion for executive session must be approved publicly by a majority vote of the quorum. NMSU must record in the minutes the vote of each individual member on the motion proposing closure. The Board of Regents may discuss in the closed meeting only those subjects specified in the motion.

   b. If a closed meeting is proposed when the Board is not presently convened in an open meeting, the closed meeting shall not be held until NMSU has posted public notice required for a special meeting, stating the specific provision of law authorizing the closed meeting and the subject matter to be discussed.

   c. Following completion of any closed meeting, NMSU must cause the minutes of the public meeting that was closed, or the minutes of the next public meeting if the closed meeting was separately scheduled, to state whether the matters discussed in the closed meeting were limited only to those specified in the motion or the meeting notice for the special meeting.

   d. Except as may be provided by Subsection 10-15-l.H of the Open Meetings Act, the NMSU Regents are required to cast their votes in an open meeting prior to taking any action on items discussed in a closed meeting.

ADOPTED by the Board of Regents of New Mexico State University, the 10th day of March, 2025, at its regular annual meeting held in Las Cruces, New Mexico.

_____

Ammu Devasthali, Chair, NMSU Board of Regents

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # G-6

☐ Action Item
☒ Consent Item
☐ Informational Item

Presented By: Chris Scott
PSL Facility Security Officer

Agenda Item: Access to Classified Information Resolution

Requested Action of the Board of Regents: Approve Resolution Excluding Certain Officials from Access to Classified Information, and authorize Chair to include a notation or correct officers as elected on this date.

Executive Summary:

Consistent with Department of Defense regulations, the attached draft resolution updates the current members of the Board of Regents to be excluded from access to classified information. The resolution should indicate the officers of the Board and the proposed action would allow the Chair to make corrections to the resolution as may be necessary following election of officers.

References:

National Industrial Security Program Operating Manual (NISPOM) 32 CFR Part 117, February 24, 2021

Prior Approvals:

N/A

Resolution No. 2025-02

Board of Regents of New Mexico State University
Resolution Excluding Access to Classified Information

WHEREAS, the United States Department of Defense (DoD) regulations contain a provision requiring the named Senior Management Official and Facility Security Officer to meet the eligibility requirements for access to classified information established for a DoD contractor facility security clearance to safeguard classified information in a manner equivalent to that of the executive branch;

WHEREAS, the Regents of New Mexico State University (the University) have a long-established DoD contractor relationship requiring a facility security clearance;

WHEREAS, the University has designated its Senior Management Official and Facility Security Officer who either have or will obtain the required clearance; and

WHEREAS, the said DoD regulations permit the exclusion of regent board members from the requirements for access to classified information, provided that this action is recorded in the regent's official minutes;

NOW, THEREFORE BE IT DECLARED that the University's Senior Management Official and Facility Security Officereither presently possess, or will possess, the required eligibility for access to classified information; and

IT IS HEREBY RESOLVED, that when any individual enters upon the duties as Senior Management Official, or Facility Security Officer, such individual shall immediately make application for the required eligibility for access to classified information; and

IT IS FURTHER RESOLVED AND DIRECTED that the following members and officers of the NMSU Board of Regents will not require, will not have, and can be effectively and formally excluded from access to all classified information disclosed to authorized personnel of the University. Additionally, the members and officers listed below will not occupy a position that would enable them to adversely affect the University's policies or practices in the performance of classified contracts with the DoD or the government contracting activities (User Agencies) of the National Industrial Security Program.

Regent Ammu Devasthali, Chair
Regent Christopher T. Saucedo, Vice Chair
Regent Deborah Romero, Member
Regent Marisol Olivas, Member
Regent Ricardo Gonzales, Member

ADOPTED by the Board of Regents of New Mexico State University, on the 10th day of March 2025, at its Regular Meeting held in Las Cruces, New Mexico.

Ammu Devasthali, Chair, NMSU Board of Regents

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # H-1

☒ Action Item
☐ Consent Item
☐ Informational Item

Presented By: Chris Kinsley, Interim Vice President Administration and Finance

Agenda Item: Housing Rates Increase Request

Requested Action of the Board of Regents: Request Approval as Presented

Executive Summary: Propose across the board Housing rate increase of 3.0% effective for fiscal year 25-26, with the additional revenues from said increase to be dedicated to deferred maintenance. The 3% increase is estimated to generate an additional $525,000 per year. This follows a zero dollar increase in the prior year (24-25); fee increase is needed for ongoing capital renewal of the housing stock.

References: See Fee Presentation

Prior Approvals:

Financial Strategies, Performance and Budget Committee 02/26/25 (with above noted contingency that all additional revenues generated from the 3% increase be dedicated towards deferred maintenance)

Agenda Item Approved By:

Valerio Ferme Digitally signed by Valerio Ferme Date: 2025.03.05 16:03:55 -07'00'

Dr. Valerio Ferme, President Date

New Mexico State University
Auxiliary Services

HOUSING RATE INCREASE REQUEST

BE BOLD. Shape the Future.®
New Mexico State University

HOUSING NEEDS

- FY24 housing utility billing increased 14%, an additional $292,904 from year.
- From 2021 to present, utilities cost has recognized an annual increase of $1,089,625.
- Deferred maintenance continues to be a high priority.
- Facility maintenance is a large portion of the housing budget and additional spend is needed to improve the long-term health of residential buildings.
- Several large-scale facility projects needed to repair utility infrastructure and structural integrity.
- Efforts to identify methods in which to maximize housing occupancy continues to progress.

HOUSING HIGHLIGHTS

- Total occupancy above 90% for past two fiscal years.
- Occupancy has trended up to pre-Covid levels.
- Extremely high demand for upper-class on-campus student apartment living, exceeding beds available.
- Assessing reconfiguration options to increase housing availability Fall 2025.
- Addressing a major student housing complaint by replacing laundry machines during Summer 2024.
- The housing residential programming curriculum and engagement model experience has been enhanced by changing priorities to focus on personal interactions, mentorship, engagement, and connection amongst residents.
- The intentional programming has resulted in Housing staff reaching over 80% of campus residents (2,278 unique residents or over 10,000 housing program attendees), meeting student needs.
- Benchmarking results indicate record-high student satisfaction, learning, and overall program effectiveness across campus (Source: ACUHO-I Benchmark student feedback).

HOUSING UTILITIES

Utility Type	FY21 Rates	FY22 Rates	% Change FY21-FY22	FY23 Rates	% Change FY22-FY23	FY24 Rates	% Change FY23-FY24	FY25 Rates	% Change FY24-FY25
High Pressure Natural Gas	$3.7677	$3.6131	-4.10%	$7.4995	107.56%	$11.8578	58.11%	$5.3485	-54.89%
Low Pressure Natural Gas	$6.5829	$8.5470	29.84%	$11.3561	32.87%	$20.6368	81.72%	$13.0712	-36.66%
Electric	$0.0812	$0.0922	13.55%	$0.1230	33.41%	$0.1265	2.85%	$0.1230	-2.77%
Domestic Water						$1.1688		$1.7823	52.49%
Steam	$4.7432	$8.3916	76.92%	$8.2076	-2.19%	$10.0998	23.05%	$12.7817	26.55%
Chilled Water	$0.1985	$0.2439	22.87%	$0.2459	0.82%	$0.2256	-8.26%	$0.2317	2.70%
Sewer	$3.1965	$5.5705	74.27%	$5.2953	-4.94%	$5.1182	-3.34%	$5.1282	0.20%
Average			**35.56%**		**27.92%**		**25.69%**		**-1.77%**
Utility Dollars Billed	**$ 1,265,481.83**	**$ 1,760,041.93**	**39%**	**$ 2,062,202.06**	**17%**	**$ 2,355,106.57**	**14%**		

FY26 PROPOSED HOUSING RATES

Facility	Room Type	Total Beds Available	Fall 2024 Occupancy	24-25 Current	25-26 Proposed	% Change	$ Change
Residence Halls (academic year rates)							
Juniper Hall[1]	Double (Suite)	876	92%	$6,768	$6,972	3.00%	$ 204
Piñon Hall[1]	Double (Suite)	303	89%	$6,190	$6,376	3.00%	$ 186
Garcia Hall[2]	Double (Suite)	858	91%	$5,368	$5,529	3.00%	$ 161
Rhodes-Garrett-Hamiel Hall[1]	Double (Suite)	134	83%	$5,368	$5,529	3.00%	$ 161
Rhodes-Garrett-Hamiel Hall[1]	Double (Community)	112	58%	$4,780	$4,928	3.00%	$ 148
Apartments (academic year rates)							
Chamisa Village	1 Bedroom Apt	9	100%	$9,160	$9,436	3.00%	$ 276
Chamisa Village	2 Bedroom Apt	398	99%	$8,110	$8,354	3.00%	$ 244
Chamisa Village	4 Bedroom Apt	180	99%	$7,060	$7,272	3.00%	$ 212
Vista del Monte	2 Bedroom Apt	288	97%	$6,180	$6,371	3.00%	$ 191
Vista del Monte	2 Bedroom Apt (Entire Unit)	0	NA	$9,890	$10,193	3.00%	$ 303
Cervantes Village	Efficiency Apt (Suite)	32	94%	$6,000	$6,190	3.00%	$ 190
Cervantes Village	2 Bedroom Apt	92	90%	$5,140	$5,301	3.00%	$ 161
Cervantes Village	4 Bedroom Apt	246	91%	$5,140	$5,301	3.00%	$ 161
Tom Fort/Sutherland Village	2 Bedroom House (Entire Unit)	33	98%	$6,640	$6,839	3.00%	$ 199
Family Housing (academic year rates)							
Tom Fort/Sutherland Village	2 Bedroom House (Entire Unit)	253	60%	$6,640	$6,839	3.00%	$ 199
Cervantes Village	4 Bedroom Apt (Entire Unit)	20	90%	$9,676	$9,966	3.00%	$ 290

Fall 2025 Target Occupancy Rate = 95%

(1) Juniper, Pinon, and Rhodes-Garrett-Hamiel Halls have a single room rate at 160% increase over double rooms

(2) Garcia Hall has a single room rate of 135% over the double room rate

PEER INSTITUTION COMPARISON
RESIDENCE HALLS

Housing Facility	NMSU Proposed	Increase (%)	Peer Institutions(1) Low	Peer Institutions(1) High
Residence Halls Comparison (Per Person)		**Academic Year Cost**		
Juniper Hall, Double Suites	$ 6,972	3.00%	$ 4,666	$ 9,964
Pinon Hall, Double Suites	$ 6,611	3.00%	$ 4,666	$ 9,964
Garcia Hall, Double Suites	$ 5,529	3.00%	$ 4,666	$ 9,964
Rhodes Garrett Hamiel, Double Suites	$ 5,529	3.00%	$ 4,666	$ 9,964
Rhodes Garrett Hamiel, Community Double	$ 4,928	3.00%	$ 3,764	$ 7,600

(1) Peer institution rates are based on the currently published rate for each institution. Rate could be from previous fiscal year.

PEER INSTITUTION COMPARISON
APARTMENT/HOUSE

Housing Facility	NMSU Proposed	Increase (%)	Local Market Low	Local Market High	Peer Institutions[1] Low	Peer Institutions[1] High
Apartment/House Comparison (Per Person)			**Academic Year Cost**			
Chamisa Village 1-Bedroom	$ 9,161	3.00%	$ 9,139	$ 15,689	$ 5,200	$ 13,250
Chamisa Village 2-Bedroom	$ 8,354	3.00%	$ 5,211	$ 8,411	$ 5,926	$ 10,300
Chamisa Village 4-Bedroom	$ 7,272	3.00%	$ 3,911	$ 8,900	$ 3,940	$ 11,730
Vista Del Monte 2-Bedroom	$ 6,371	3.00%	$ 5,211	$ 8,411	$ 5,926	$ 10,300
Cervantes Village 2-Bedroom	$ 5,301	3.00%	$ 4,611	$ 6,111	$ 5,926	$ 10,300
Cervantes Village 4-Bedroom	$ 5,301	3.00%	$ 5,146	$ 6,159	$ 3,940	$ 11,730
Family Housing Comparison (Per Unit)			**Monthly Cost**			
Tom Fort and Sutherland 2-Bedroom	$ 765	0.00%	$ 950	$ 1,250	$ 786	$ 970
Cervantes Village 4-Bedroom[2]	$ 1,112	3.00%	$ 1,150	$ 2,500	N/A	N/A

(1) Peer institution rates are based on the currently published rate for each institution. Rate could be from previous fiscal year.

(2) Peer institutions do not offer comparable 4 bedroom apartment units for student families

UNM COMPARISON

New Mexico State University	21-22	22-23	23-24	YoY	24-25	YoY	25-26	Proposed YoY
Community Bath								
RGH Double	4,223	4,350	4,780	10%	4,780	0.00%	4,928	3%
Suites								
Garcia/RGH Double	4,738	4,880	5,368	10%	5,368	0.00%	5,529	3%
Pinon Double	5,665	5,835	6,190	6%	6,190	0.00%	6,376	3%
Juniper Double	5,974	6,153	6,768	10%	6,768	0.00%	6,972	3%
Single Student Apartments								
Cervantes Two-Bed/One Bath	4,542	4,679	5,140	10%	5,140	0.00%	5,301	3%
VDM Two-Bed/One Bath	5,459	5,623	6,180	10%	6,180	0.00%	6,371	3%
Chamisa Two Bed/One Bath	7,159	7,373	8,110	10%	8,110	0.00%	8,354	3%

University of New Mexico	21-22	22-23	23-24	YoY	24-25	YoY	25-26	YoY
Community Bath								
Tradional Halls Double	5,050	5,300	5,450	5%	5,600	3%	5,750	3%
Suites								
Laguna DeVargas Double	5,400	5,670	5,750	5%	5,800	1%	5,950	3%
Single Student Apartments								
SRC/Redondo Single Bedroom	7,000	7,700	7,850	10%	8,100	3%	8,250	2%
Lobo Rainforest Two-Bed/One-Bath	8,520	9,360	9,550	10%	10,100	6%	10,450	3%

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # H-2

☒ Action Item
☐ Consent Item
☐ Informational Item

Presented By: Kim Rumford, Chief Budget Officer

Agenda Item:

Required Student Fee Request

Requested Action of the Board of Regents:

Approval of Required Student Fees.

Executive Summary:
The Student Fee Review Board is requesting a 3% increase in Required Student Fees to fund an increase in compensation (3%), fringe benefits (1%), student minimum wage, and other priority items identified by the Student Fee Review Board. This would increase the fee from $59.18 per credit hour to $60.96 per credit hour.

Staff Compensation Increase (3%)	$ 191,589	34.16%
Fringe Rate Increase (1%)	$ 65,615	11.70%
Student Minimum Wage Increase	$ 21,881	3.90%
Sub-Total	**$ 279,085**	**49.76%**
Activity Center	$ 25,000	4.46%
ASNMSU	$ 34,949	6.23%
Pride Band	$ 20,998	3.74%
NMSU Cheerleaders	$ 40,000	7.13%
Student Media	$ 2,190	0.39%
Library	$ 16,817	3.00%
Student Support Programming	$ 48,000	8.56%
Family Resource Center	$ 55,000	9.81%
Fire/EMT Services	$ 38,792	6.92%
Sub-Total	**$ 281,746**	**50.24%**
Total Requested Adjustments	**$ 560,831**	**100.0%**

References:
N/A

Prior Approvals:
Student Fee Review Board 2/7/2025
University System Budget Committee 2/24/2025

Regents Financial Strategies, Performance and Budget Committee 2/26/2025

Agenda Item Approved By:

Valerio Ferme (Mar 5, 2025 13:39 CST)

Valerio Ferme, President

05-Mar-2025

Date

New Mexico State University - Las Cruces
Required Fees - FY25 Fee Allocations & FY26 Requests
Requesting 3% increase in the required fee rate

Request Area/Function	Budgeted Fee Allocation FY2024-2025	Compensation (3%), Fringes Benefits (1%), and Student Minimum Wage	Requested Additional Adjustments	Proposed Fee Allocation FY2025-2026	% Incr (Decr) from FY25 Allocation	Information for non-compensation requests. additional
Equipment Fee	$ 600,000	-		$ 600,000	0.0%	
Corbett Center Student Union	1,011,135	10,410		1,021,545	1.0%	
Golf Course	223,004	1,828		224,832	0.8%	
Special Events	1,117,628	-		1,117,628	0.0%	
Aquatic Center	413,565	5,269		418,834	1.3%	
Activity Center	718,971	11,209	25,000	755,180	5.0%	Member management software
Intramurals	89,867	888		90,755	1.0%	
Student Health Services	2,860,733	87,600		2,948,333	3.1%	
Office of Health Promotions	76,649	2,631		79,280	3.4%	
Tennis Center	103,895	-		103,895	0.0%	
Athletics	3,682,118	105,674		3,787,792	2.9%	
Construction Bonds : Debt Serv	3,600,000	-		3,600,000	0.0%	
ASNMSU Student Activity	701,974	-	34,949	736,923	5.0%	Inflation and college councils
ASNMSU Endowment	25,000	-		25,000	0.0%	
ASNMSU Cardinal	20,000	-		20,000	0.0%	
Campus Tutoring Service	90,281	-		90,281	0.0%	
Pride Band	74,012	136	20,998	95,146	28.6%	Increase in operational costs associated with expanded scope (Mariachi and Folklorico)
Education Abroad	40,700	-		40,700	0.0%	
NMSU Cheerleaders	60,000	-	40,000	100,000	66.7%	Make one-time funds recurring to support National competition
Transit	318,521	465		318,986	0.1%	
ICT	1,442,951	12,323		1,455,274	0.9%	
Student Media	144,273	1,261	2,190	147,724	2.4%	Additional student employees and summer pay
Library	337,307	677	16,817	354,801	5.2%	Extended operating hours for students
Fraternity & Sorority Life	22,000	-		22,000	0.0%	
Student Life	919,781	38,714		958,495	4.2%	
Student Support Programming	-	-	48,000	48,000	new	Increased costs to cover additional attendees and more events. Events are focused on student engagement, networking, and community.
Family Resource Center	-	-	55,000	55,000	new	Funding for operational costs (funding was previously eliminated). Program supports unique needs of students with families.
Fire/EMT Services	-	-	38,792	38,792	new	Five student firefighter/EMTpositions provide students an opportunity to obtain certification and experience before graduation. These certifications and valuable experience will aid the students in obtaining employment after graduating.
Total Required Fees	**$ 18,694,365**	**$ 279,085**	**$ 281,746**	**$ 19,255,196**	**3.0%**	
Rate per Credit hour	**$ 59.18**			**$ 60.96**	**3.0%**	

NMSU - Las Cruces
Proposed Increase of 0% for Resident and Non-Resident Tuition with 3% Fee Increase
0% Increase for NMSU Online

Table Reflects 0% Tuition with 3% Fee Increase

Undergraduate

			3% Fee Increase		
Resident Students		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
UG Part Time (Per CH) Rate (Up to 14 CR)	Tuition	261.80	261.80	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**320.98**	**322.76**	**1.78**	**0.6%**
Flat Rate (15 credits and above)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	3,364.10	3,364.10	-	0.0%
	Fee	887.70	914.40	26.70	3.0%
	Tuition and Fee	**4,251.80**	**4,278.50**	**26.70**	**0.6%**
135 Mile Texas Hourly Rate (1-14)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	287.98	287.98	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**347.16**	**348.94**	**1.78**	**0.5%**
135 Mile Texas Flat Rate (15 credits)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	3,700.51	3,700.51	-	0.0%
	Fee	887.70	914.40	26.70	3.0%
	Tuition and Fee	**4,588.21**	**4,614.91**	**26.70**	**0.6%**
Non-Resident					
Rate per Credit (1-6 Credits)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	327.25	327.25	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**386.43**	**388.21**	**1.78**	**0.5%**
Rate per Credit (1-14 Credits) when enrolled in >6 credits		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	975.30	975.30	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**1,034.48**	**1,036.26**	**1.78**	**0.2%**
Flat Rate (15 credits and above)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	12,527.30	12,527.30	-	0.0%
	Fee	887.70	914.40	26.70	3.0%
	Tuition and Fee	**13,415.00**	**13,441.70**	**26.70**	**0.2%**

NMSU - Las Cruces

Proposed Increase of 0% for Resident and Non-Resident Tuition with 3% Fee Increase

0% Increase for NMSU Online

Graduate

			3% Fee Increase		
Resident Students		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
Part Time (Per CH) Rate (Up to 14 CR)	Tuition	287.80	287.80	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**346.98**	**348.76**	**1.78**	**0.5%**
Flat Rate (15 credits and above)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	3,697.90	3,697.90	-	0.0%
	Fee	887.70	914.40	26.70	3.0%
	Tuition and Fee	**4,585.60**	**4,612.30**	**26.70**	**0.6%**
135 Mile Texas Hourly Rate (1-14)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	316.58	316.58	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**375.76**	**377.54**	**1.78**	**0.5%**
135 Mile Texas Flat Rate (15 credits)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	4,067.69	4,067.69	-	0.0%
	Fee	887.70	914.40	26.70	3.0%
	Tuition and Fee	**4,955.39**	**4,982.09**	**26.70**	**0.5%**
Non-Resident					
Rate per Credit (1-6 Credits)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	359.75	359.75	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**418.93**	**420.71**	**1.78**	**0.4%**
Rate per Credit (1-14 Credits) when enrolled in >6 credits		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	1,001.30	1,001.30	-	0.0%
	Fee	59.18	60.96	1.78	3.0%
	Tuition and Fee	**1,060.48**	**1,062.26**	**1.78**	**0.2%**
Flat Rate (15 credits and above)		**FY25**	**FY26 Proposed**	**$ Increase**	**% Increase**
	Tuition	12,859.50	12,859.50	-	0.0%
	Fee	887.70	914.40	26.70	3.0%
	Tuition and Fee	**13,747.20**	**13,773.90**	**26.70**	**0.2%**

NMSU Online with 0% Tuition Increase

		FY25	**FY26 Proposed**	**$ Increase**	**% Increase**
Undergraduate Rate per Credit Hour	Tuition	**395.40**	**395.40**	**-**	**0.0%**
Graduate Rate per Credit Hour	Tuition	**444.40**	**444.40**	**-**	**0.0%**
Military	Tuition	**250.00**	**250.00**	**-**	**0.0%**

NMSU - Branch Campuses
Proposed Increase of 0% for Resident and Non-Resident Tuition with Fee Increase

NMSU Alamogordo Tuition & Fee Rates - Current and Proposed

	2024-2025 Actual Tuition and Fees				2025-2026 Proposed Tuition and Fees					
	Tuition	Fees	Total	Full-Time Tuition & Fees	Tuition	Fees	Total	Full-Time Tuition & Fees	Full-Time Proposed Increase	Percentage Change
Resident In-District	81	8	89	1,068	81	8	89	1,068	-	0.0%
Resident Out-District	97	8	105	1,260	97	8	105	1,260	-	0.0%
Non-resident	225	8	233	2,796	225	8	233	2,796	-	0.0%

Operational Mil Levy = 1 mil

NMSU Dona Ana Tuition & Fee Rates - Current and Proposed

	2024-2025 Actual Tuition and Fees				2025-2026 Proposed Tuition and Fees					
	Tuition	Fees	Total	Full-Time Tuition & Fees	Tuition	Fees	Total	Full-Time Tuition & Fees	Full-Time Proposed Increase	Percentage Change
Resident In-District	68.50	8.25	76.75	921.00	68.50	8.25	76.75	921.00	-	0.0%
Resident Out-District	85.00	8.25	93.25	1,119.00	85.00	8.25	93.25	1,119.00	-	0.0%
Non-resident	236.75	8.25	245.00	2,940.00	236.75	8.25	245.00	2,940.00	-	0.0%

Operational Mil Levy = 1.25 mils

NMSU Grants Tuition & Fee Rates - Current and Proposed

	2024-2025 Proposed Tuition and Fees				2025-2026 Proposed Tuition and Fees					
	Tuition	Fees	Total	Full-Time Tuition & Fees	Tuition	Fees	Total	Full-Time Tuition & Fees	Full-Time Proposed Increase	Percentage Change
Resident In-District	81	8	89	1,068	81	8	89	1,068	-	0.0%
Resident Out-District	91	8	99	1,188	91	8	99	1,188	-	0.0%
Non-resident	170	8	178	2,136	170	8	178	2,136	-	0.0%

Operational Mil Levy = 1 mil

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # H-3

☒ Action Item

☐ Consent Item

☐ Informational Item

Presented By: Dr. Monica Torres, Chancellor
Kelly Brooks, DACC VP Bus & Finance

Mónica F. Torres Digitally signed by Mónica F. Torres
Date: 2025.02.21 15:08:36 -07'00'

Agenda Item:

DACC Integrated Access Program (Books4Less)

Requested Action of the Board of Regents:

Approval of DACC Integrated Access Program Fee Changes

Executive Summary:

As part of the implementation of the DACC Integrated Access Program (Books4Less), the introductory pricing period implemented in AY22-23 and continued through AY24-25 is ending and pricing for AY25-26 will be based on actual adoption costs. As a result of industry price increases and adjustments to overall adopted materials at DACC, the per credit hour cost of the program is increasing from $24.00/credit hour to $28.00/credit hour.

References:
Presentation

Prior Approvals:
University System Budget Committee 2/24/2025
Regents Financial Strategies, Performance and Budget Committee 2/26/2025

Agenda Item Approved By:

Valerio Ferme
Valerio Ferme (Feb 25, 2025 06:49 MST)
Valerio Ferme, President

25-Feb-2025
Date

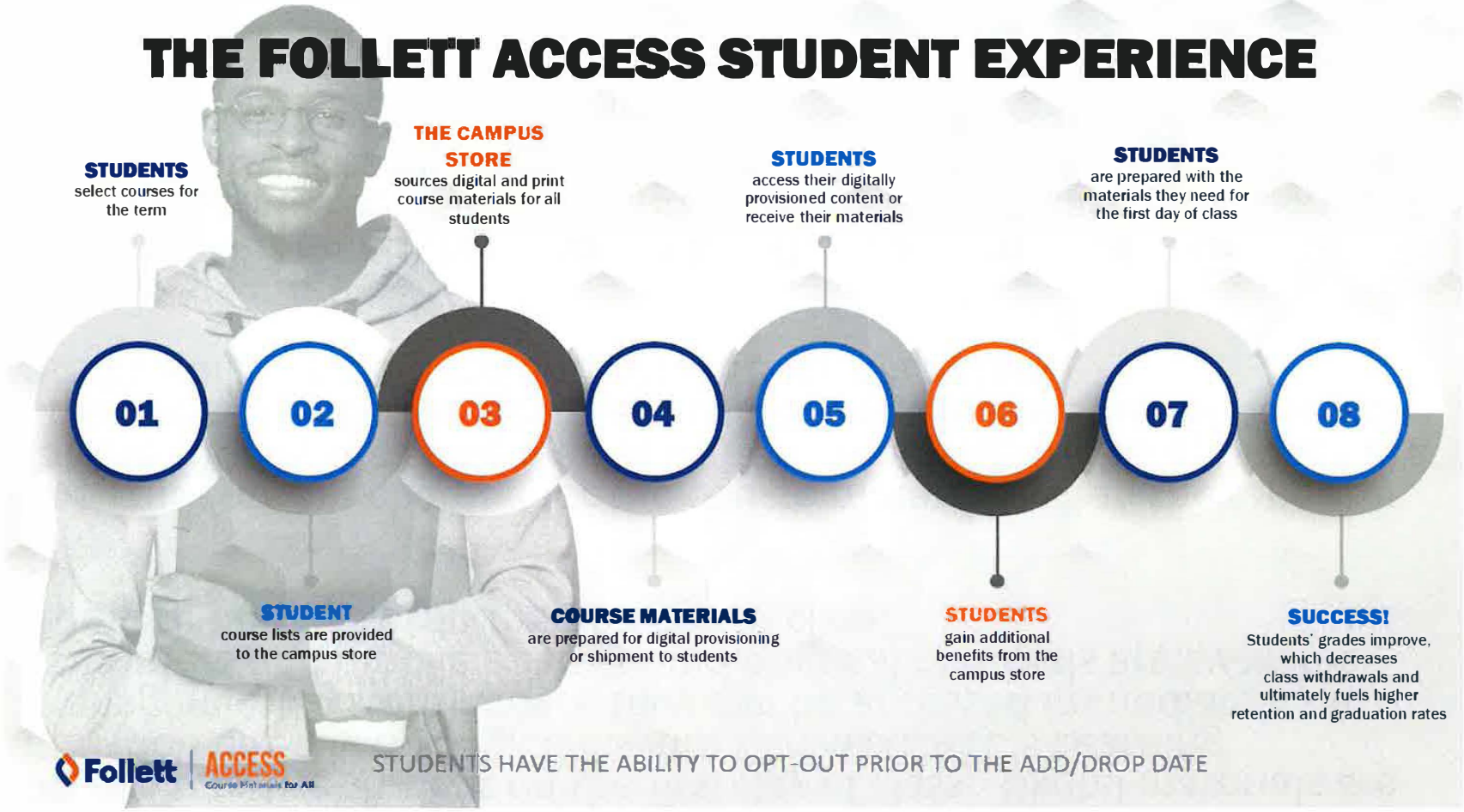
TRANSFORMING THE WAY COURSE MATERIALS ARE DELIVERED

NM STATE DACC

Follett | ACCESS Course Materials for All

NM STATE DACC
NMSU Doña Ana Community College

THE FOLLETT ACCESS STUDENT EXPERIENCE



Follett | ACCESS Course Materials for All

STUDENTS HAVE THE ABILITY TO OPT-OUT PRIOR TO THE ADD/DROP DATE

Integrated Access (aka Books4Less)

The integrated access approach provides that all books/materials are available to the student on the first day of class. Digital materials are provided directly through links into Canvas (DACC's Learning Management System) where they can be accessed immediately on computers and mobile devices, and physical materials are available from the bookstore on the first day of class.

The students are charged for the course materials when they register for the course, the same way as tuition. Materials in this approach are able to be provided at significant cost savings to the student based on predictability in demand and consistency of content.

DACC implemented this program in fall 2022 to improve course success, reduce course drops and withdrawals, increase retention and graduation, increase affordability, and promote equity by leveling the playing field from a financial and socio-economic standpoint.

Important Points of Consideration

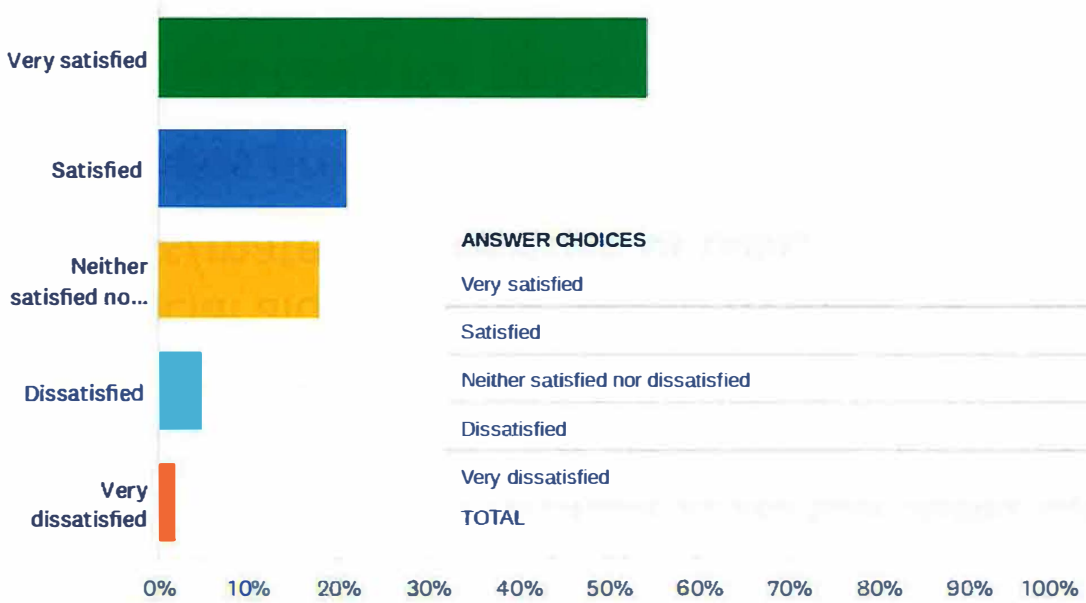
- Does not increase student costs but shifts purchase of books/materials from out of pocket cost after course begins to credit hour fee charged with course registration. Students are not negatively impacted by financial aid delays or forced to make decisions to forgo books/materials because of cost.
- Provides predictability of total educational costs per semester.
- Students have the option to opt-out of program.
- Faculty still have academic freedom to choose materials that best fit their class curriculum.

What are students saying?

Spring 2023 – DACC Survey

Q6 How satisfied with the Books4Less program are you?

Answered: 162 Skipped: 4

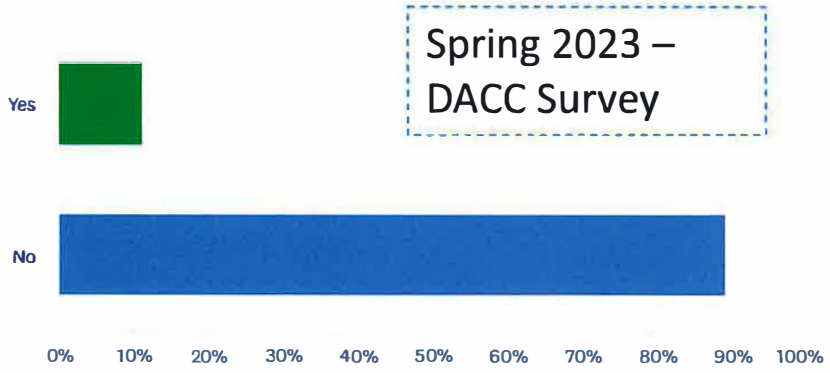


ANSWER CHOICES	RESPONSES	
Very satisfied	54.32%	88
Satisfied	20.99%	34
Neither satisfied nor dissatisfied	17.90%	29
Dissatisfied	4.94%	8
Very dissatisfied	1.85%	3
TOTAL		162

What are students saying?

Q7 Have you experienced delays in getting your material

Answered: 161 Skipped: 5



ANSWER CHOICES	RESPONSES	
Yes	11.18%	18
No	88.82%	143
TOTAL		161

#	IF YES, PLEASE BRIEFLY DESCRIBE THE ISSUE(S) YOU ENCOUNTERED
1	Some course material delays, or trouble with the way the program delivers the material each semester
2	Several instances of online materials such as product codes or online textbooks not being appropriated to student accounts. This often leaves professors lost and confused, and students having to reach out to the DACC bookstore or publishers.
3	Several instances of online materials such as product codes or online textbooks not being appropriated to student accounts. This often leaves professors lost and confused, and students having to reach out to the DACC bookstore or publishers.
4	Book store did not have my code for my online material available and was delayed by a week.
5	Sometimes things are on delay and there is a wait for the products
6	Teacher didn't assign book till first day of class
7	NA
8	I have not been able to access my course material thru the course and I have to go directly to the website.
9	My book for 1 class was backordered 4 weeks. Then once it arrived it was the 2020 edition when everyone else in my class had the 2023 edition.
10	they doubled my order so it became a whole thing
11	Alot of the products where on backorder and i wasnt able to obtain certain things until a few weeks after classes had started .
12	the was an issue w online portal for one class
13	Some items were on back order at the beginning of the semester
14	Just regular management delays, nothing to worry about :D
15	Teacher delays, teacher did not request materials in time & it delayed my access to material.
16	cengage, pearson, access codes since yall opened this books for less
17	Last semester I didn't have the Python programming book for the first two weeks of the semester
18	A lot of technical issues where I didn't get access to materials until 3 weeks later

What are students saying?

Fall 2024 – Follett Survey

DACC's Books 4 Less Survey Results

Books4Less was beneficial Because...

28% I have access on the first day
24% I can pay to my student account
21% I can use financial aid
21% It is more convenient
6% other

76%

Of DACC Students state the program made it easier to receive their course materials

9% had no opinion

7 out of 10 DACC Students:

Said the Books4Less program made them more prepared for their classes.

Overall Satisfaction

3 out of 4 Students are highly satisfied with the Books4Less Program
1 out of 10 Students had no opinion

7 out of 10 Students

Stated that the program made the process of getting their required course materials less stressful and more convenient

84%

Of DACC Students not participating in Fall 2024 would consider participating in future terms

What is impacting Price?

Publisher Impact:

- Industry/Publisher price increases above historical average
- 2024-2025 price increases

Adopted Materials Impact:

- 60% increase in Courseware Units
- 20% Increase in Print Units
- Additional materials adopted
- Lower Ebook Cost vs. Print

How Do We (DACC) Mitigate Impact:

- Validate required vs. recommended materials
- Low-cost or no-cost Open Education Resources (OER)
- Evaluate most expensive adoptions/programs

Proposed Price

Current Price $24/credit hour

(part of introductory implementation AY2022-23, AY2023-24, AY2024-25)

Proposed Price $28/credit hour

(based on AY24-25 expenditures for AY2025-26)

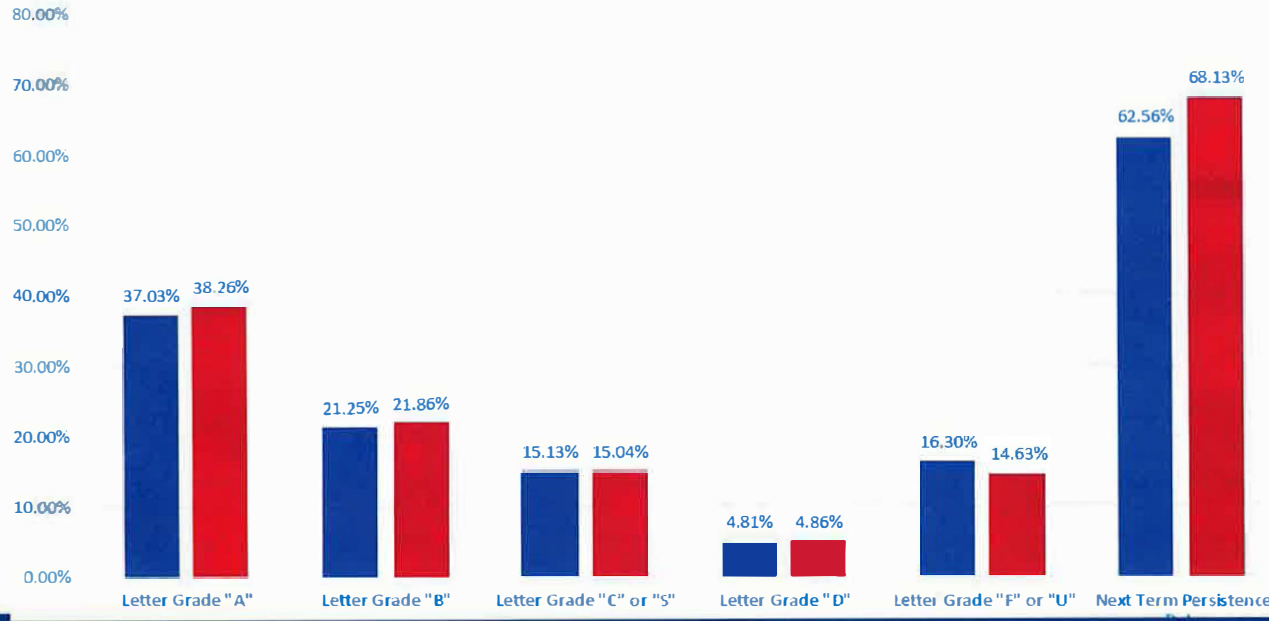
Represents 16.7% increase (approx. 5.6% per year)

Current Average Retail Price $42.29/credit hour

What outcomes data do we have?

	Fall 2020*	Fall 2021*
• DACC Graduation Rates	16%	19%
• DACC Transfer Rate	14%	16%

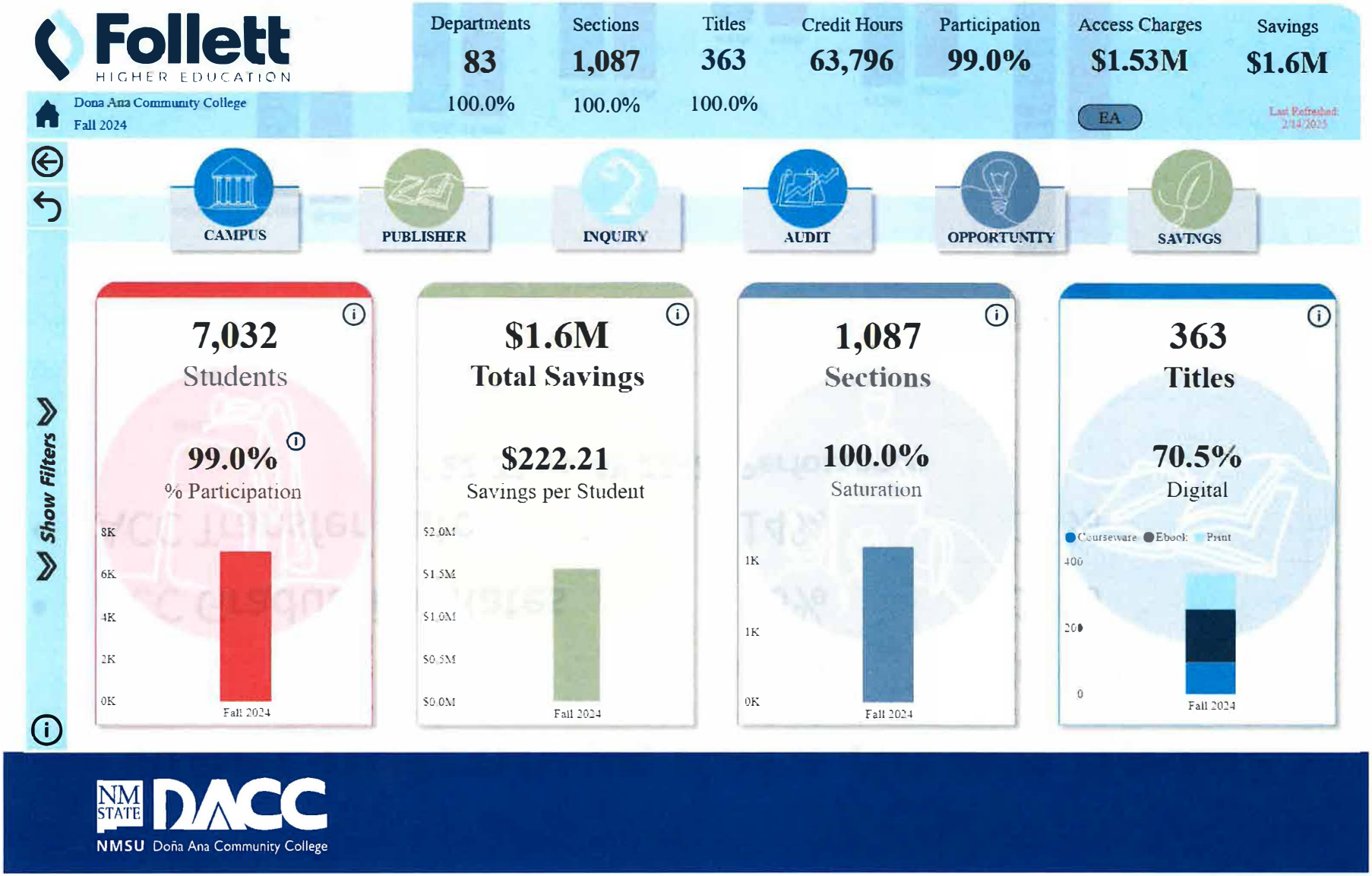
AY 22-23 vs. AY 23-24 Perfomance



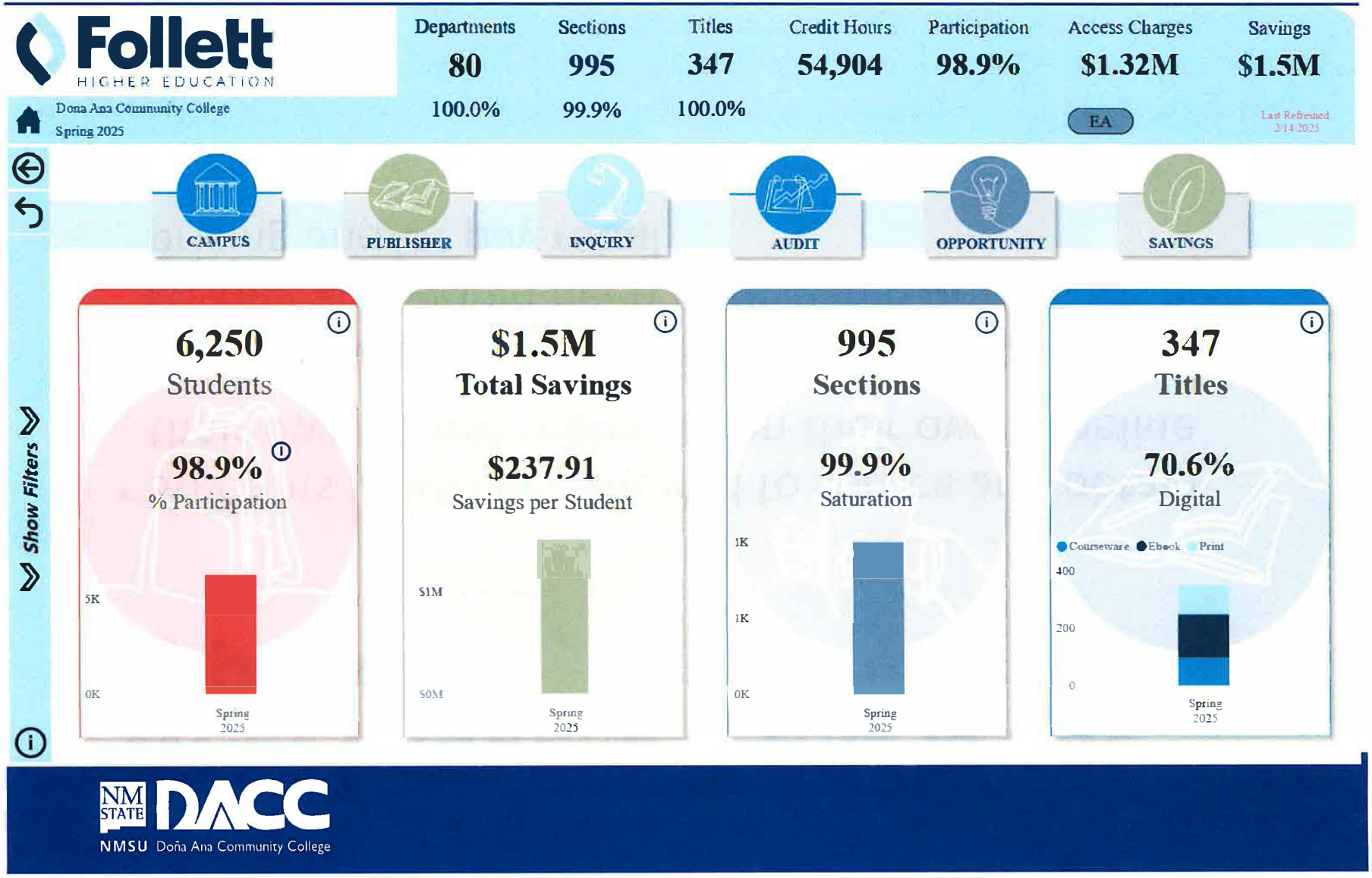
NM STATE DACC
NMSU Doña Ana Community College

*Based on IPEDS data Student Outcomes at 150%

Fall 2024


Follett
HIGHER EDUCATION
Dona Ana Community College
Fall 2024
Departments 83 100.0%
Sections 1,087 100.0%
Titles 363 100.0%
Credit Hours 63,796
Participation 99.0%
Access Charges $1.53M
Savings $1.6M
EA
Last Refreshed: 2/14/2025
CAMPUS
PUBLISHER
INQUIRY
AUDIT
OPPORTUNITY
SAVINGS
Show Filters
7,032
Students
99.0%
% Participation
8K
6K
4K
2K
0K
Fall 2024
$1.6M
Total Savings
$222.21
Savings per Student
$2.0M
$1.5M
$1.0M
$0.5M
$0.0M
Fall 2024
1,087
Sections
100.0%
Saturation
1K
1K
0K
Fall 2024
363
Titles
70.5%
Digital
Courseware
Ebook
Print
400
200
0
Fall 2024
NM STATE DACC
NMSU Doña Ana Community College

Spring 2025


Follett
HIGHER EDUCATION
Dona Ana Community College
Spring 2025
Departments 80 100.0%
Sections 995 99.9%
Titles 347 100.0%
Credit Hours 54,904
Participation 98.9%
Access Charges $1.32M
EA
Savings $1.5M
Last Refreshed 2/14/2025
CAMPUS
PUBLISHER
INQUIRY
AUDIT
OPPORTUNITY
SAVINGS
Show Filters
6,250
Students
98.9%
% Participation
5K
0K
Spring 2025
$1.5M
Total Savings
$237.91
Savings per Student
$1M
$0M
Spring 2025
995
Sections
99.9%
Saturation
1K
1K
0K
Spring 2025
347
Titles
70.6%
Digital
Courseware
Ebook
Print
400
200
0
Spring 2025
NM STATE DACC
NMSU Doña Ana Community College

What happens if this is not approved?

- Students would be required to source and obtain their own course materials on their own timeline
- Students would not benefit from aggregated costing and would need to research outlets for best pricing and/or pay retail

Questions?

Kelly Brooks

DACC VP Business & Finance

(575) 527-7551

kebrooks@nmsu.edu

Board of Regents Meeting
Meeting Date: March 10, 2025
Agenda Item Cover Page

Agenda Item # H-4

☒ Action Item
☐ Consent Item
☐ Informational Item

Presented By: Ammu Devasthali
Chair
Board of Regents

Agenda Item: Election of Officers

Requested Action of the Board of Regents: Election of Officers of the Board of Regents

Executive Summary:

The Board will elect a president, a president pro tem, and a secretary-treasurer. The president and president pro tem shall be referred to as the chair and vice chair of the Board, so as to not be confused with executive administrators. The person elected as secretary-treasurer shall, before entering upon the discharge of the duties, execute a bond to the state of New Mexico, to be approved by the governor of the state, and filed with the secretary of state, as required by statute. [NMSA 1978 §21-7-5 requirement satisfied by the blanket bond provide through the New Mexico Risk Management Division, per NMSA 1978 §10-2-15]

The election of officers will proceed with call for nominations from the floor starting with the chair, followed by the vice chair, and then the secretary-treasurer, consistent with Robert's Rules of Order.

References:

RPM 1.00-B (Article 3.2) – Bylaws of the Regents of New Mexico State University

Prior Approvals:

N/A