

NOV 3, 2023

Dean's Advisory Council Meeting Minutes

- Chair Jack David opened with comments on careers and jobs for our students.

Part 1

- Dean Reddi gives an update on the new Thomas and Brown Building Project
 - Supplemental funding possibilities
 - Timeline for demolition (May 2024)
 - Completion hopefully in 2027
 - 8 sponsored spaces taken at this time
 - Still doing private fundraising

Dean Reddi presents a power point on New Programs in the College of Engineering

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:97918efe-95d5-3bc5-97fe-51d90961e420>

- Computer Engineering has been approved at every level of the state. Thank you to the DAC for writing a letter in support
- Masters of Information Technology approved 4 years ago; Geomatics has received 2 national awards
- Coming: ABET visit in 2024- self-study report
- Our COE is one of the longest continuous accredited colleges in the country
- On- Line programs and NMSU Global were discussed
 - Sherri Kollman got a \$10 million grant from the state
 - Dean Reddi wants the faculty to be on board with this movement to on-line options
 - We are recruiting more faculty to on line options
 - Professional Masters of Engineering can grow!
 - Evolving workforce needs mean we do not wish to be locked in- we can offer certificates
 - NMSU Global can increase faculty lines
 - Faculty can design courses
 - This can help the COE hire faculty
- Frank Seidel is working with Clayton Abbey and the Legislative Committee for COE funding
- R1 status is coming back
- Allyson Yarbrough: how about sustainability in Space? Are certificates offered for that?
 - We are starting to try and populate Space and sending millions of materials up there as well
 - Is there a place for a degree program in Space Sustainability?

Part 2

Provost Alan Soho presented to the DAC on the "Demographic Cliff"

- From 2026-2037 NM will suffer a 25% drop in its population
- There will be an impact on society as well as University enrollment
- By 2037 we could be at 11,000 students
- Options to grow enrollment might be:
 - Out of state students to get in state tuition

- Increase the “135-mile radius” to offer more in state tuition
- Increase recruiting efforts out of state and in Mexico
- NM does not have a robust economic eco-system
- 90% of our grads leave the state
- There are 4000 Engineering Companies that have 7 to 9 open jobs right now
- Other factors that persuade our graduates to leave the state are:
 - a. Living conditions
 - b. Quality of schools
 - c. Economic development
 - d. Real estate
- Student retention- from 1st to 2nd year we keep 74.8% and our peers are in the 80% range
- **Jimi Ickes – Director of Undergraduate Programs** told us that we need to do a better job in the area of Math education. Many DFW's are in Math. We made our own Math 190 section and have seen good results

Part 3

J-D Soltero- Engineering Student Council President

National Engineering Leadership Summit- here at NMSU – March 21 -23, 2024

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:1851b28a-168e-38d6-a04b-50812b48a9fb>

- a. **Sponsorships are STILL WELCOME – see the link here to support J-D and the Council**
<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:8460e3d5-1955-383c-8e51-1a75c7315447>

Part 4 Afternoon Session

Entrepreneurship Discussion

- Alum Eloy Torres – 1970 grad -has been supportive of this effort
- Arrowhead has a stake in this area of education
- NMSU Global can make a course to support this need
- There are needs in Engineering education other than the technical skills
- Students need to grow into the idea that you have to make money for the company
- Engineering management vs Entrepreneurship Program
- Right now, Engineering Econ helps our students the most
- Financial Management covers budgets, etc.
- There is a need for a communications and presentation course
- Risk management has to be a part of this as well

Part 5

Ron Seidel Leadership Group

- A very impressive group of students
- Worked on more team building this time
- Looking to meet more often

- There is a need for public speaking experience
- Goal setting and decision making discussed
- Continuous learning is important
- Technical writing is important

Part 6

Chat GPT is a challenge

- Why do students need you? (The professor)
- Students have access to more data than ever before
- How can in person faculty have an influence?
- What is the best way to offer exams to the students today?

It was decided that this would be the topic for the majority of the February DAC meeting during Engineering Week 2024. We would invite faculty and students to give their views as well as ask the Council for an industry perspective.

Meeting adjourned