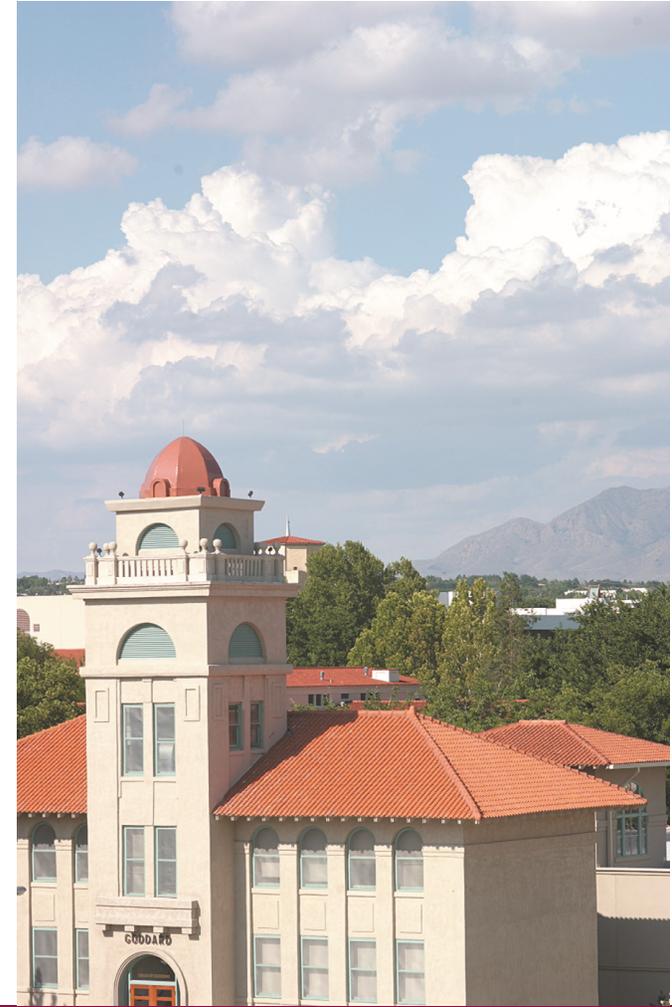


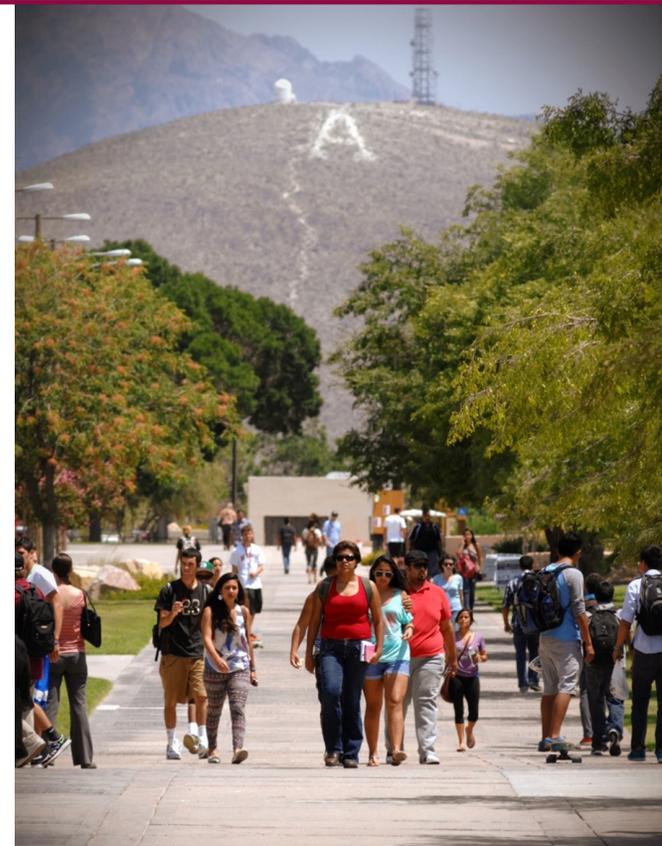
New Mexico State University
College of Engineering
Dean's Advisory Council
10 March 2016



College of
Engineering

Engineering Is Discovery!

Welcome

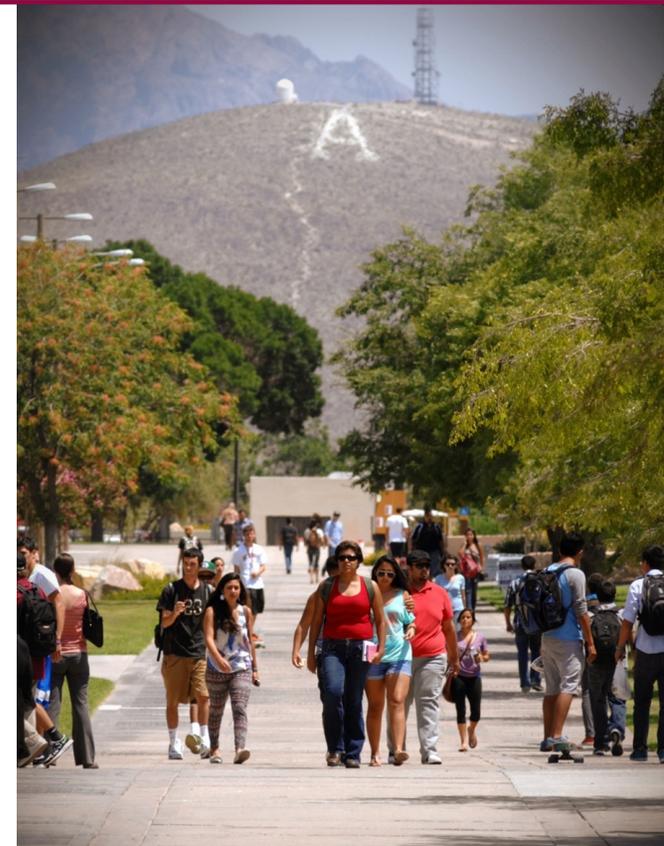


College of
Engineering

Engineering Is Discovery!

College Update

1. Welcome new members of the CoEngr
2. Updates
 - A. International Enrollment
 - B. Freshman Year Experience
 - C. Summer Course Offerings
 - D. Master's of Engineering (ME) Program
 - E. 120 credit challenge



New Faces



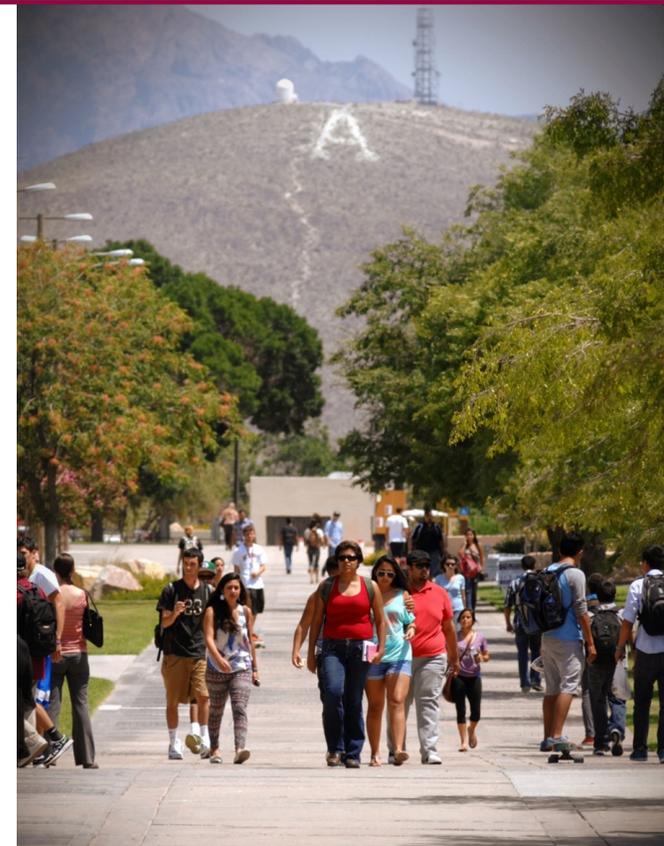
Stephanie Armitage
Assistant Dean of
Development and Alumni



Ruey-Hung 'Ray' Chen
Department Head Mechanical
and Aerospace Engineering

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International Enrollment

- History with NMSU Engineering
- Spring influx of students from Kuwait
 - Challenges
 - Resources
- Current programs with Brazil and Mexico
- Expanded program with Mexico



Engineering Plan Goal 2: Diversity and Internationalization

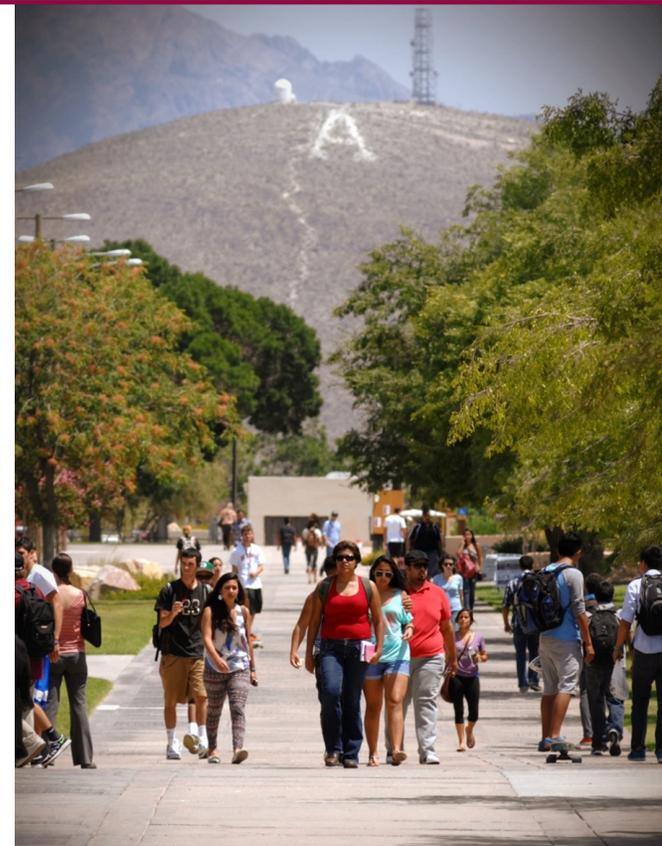
NMSU V20/20: KPI-1 Enrollment, KPI-2 Graduate Education, KPI-3 International Students

Academic Misconduct

- NMSU and CoENGR reputation and integrity are at risk
- Preventative measures
 - Syllabus link(s) to College policy (Sonya emails)
 - Cell phones off and out of reach during tests
 - Encourage the use of plagiarism checking software
 - Clarify expectations
 - Canvas Module (Rolfe)
- Standard outcome for cheating (F in the class)
- ELPT and MPE
- Must remain fair and uniform

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Freshman Year Experience

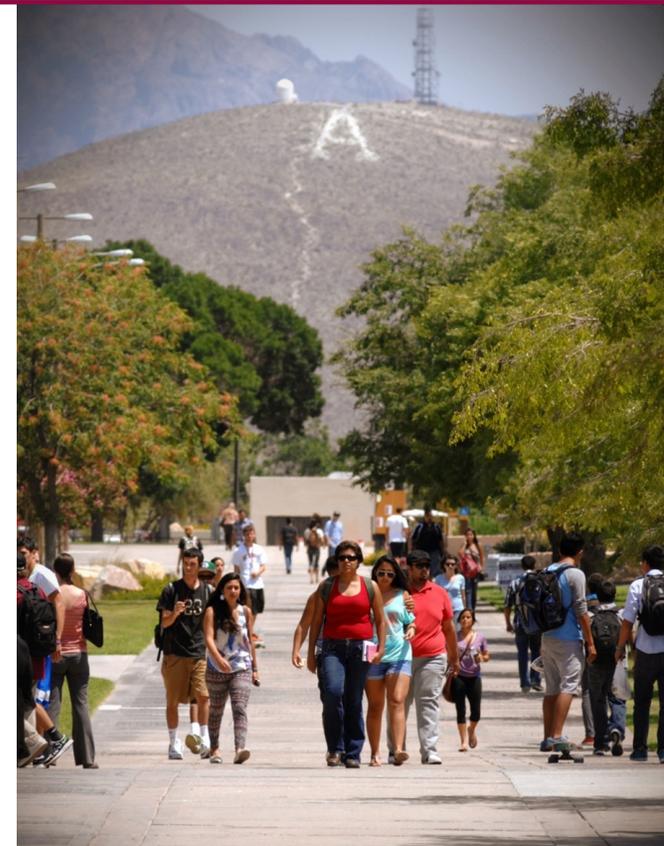
- Classes
 - ENGR 100, MATH 191, ENGL 111, Chem 111
- ENGR 100
 - Multi-sections -> coordinated
 - Foundations applicable to all fields of Engineering
 - Uniform message
 - Student Mentors (Aggies helping Aggies)
 - Retention 63% -> 78% Fall to Fall
 - Resource Challenges

Engineering Plan Goal 1: Academics and Graduation

NMSU V20/20: KPI-1 Enrollment, KPI-5 Retention

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Summer Course Offering

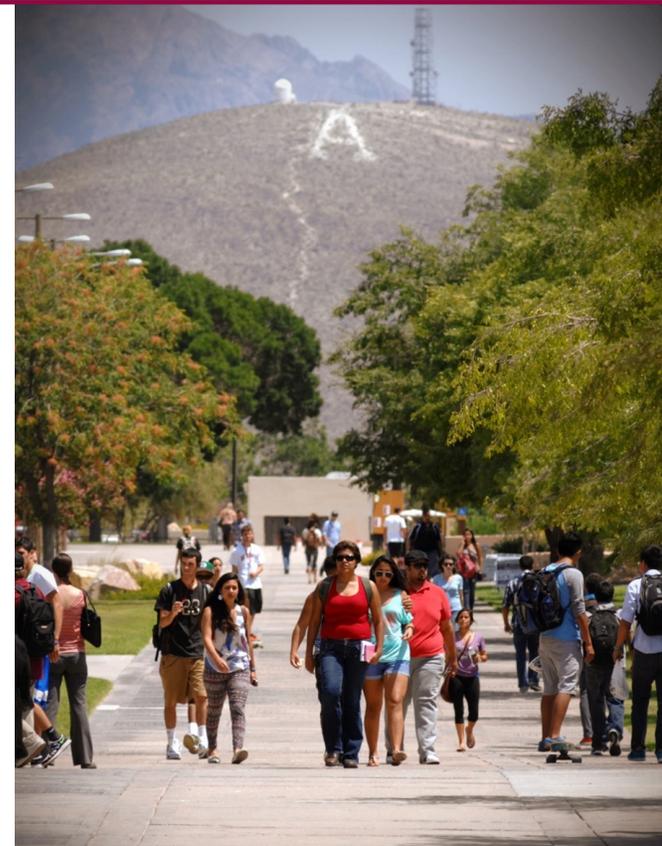
- “A more robust set of summer classes will help our students graduate.”
- Joseph Perea and Randy Rothschild — THANKS!
- Revenue sharing plan
 - Target SCH
 - 70% of tuition returned to the College (over target SCH)
 - Use funds from open factly lines as the initial investment

Engineering Plan Goal 1: Academics and Graduation

NMSU V20/20: KPI-3 Degrees and Certificates, KPI-5 Retention Rate, KPI-6 Graduation Rate

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Master's of Engineering

- Professional Master's
- No research component
- Model program IE -> **Ed Pines**
- Distance Education Opportunities
- Agility needed to target emerging areas

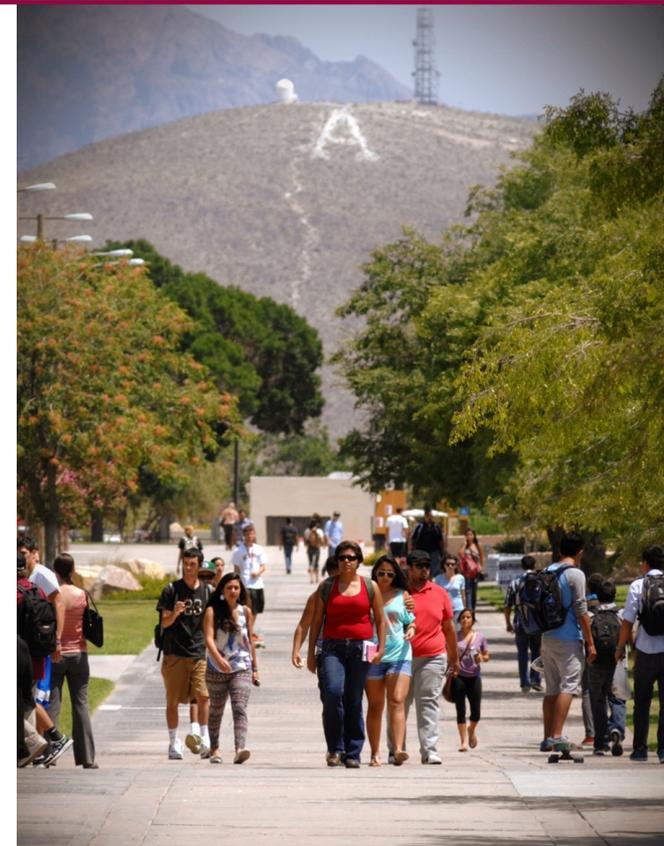
Engineering Plan Goal 1: Academics and Graduation

NMSU V20/20: KPI-3 Degrees and Certificates, KPI-6 Graduation Rate



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120 Credit Challenge

- Top down pressure
- Sideways pressure
- Root of the problem
- Solutions
 - My VWW failure
 - Small changes
 - 25% rule

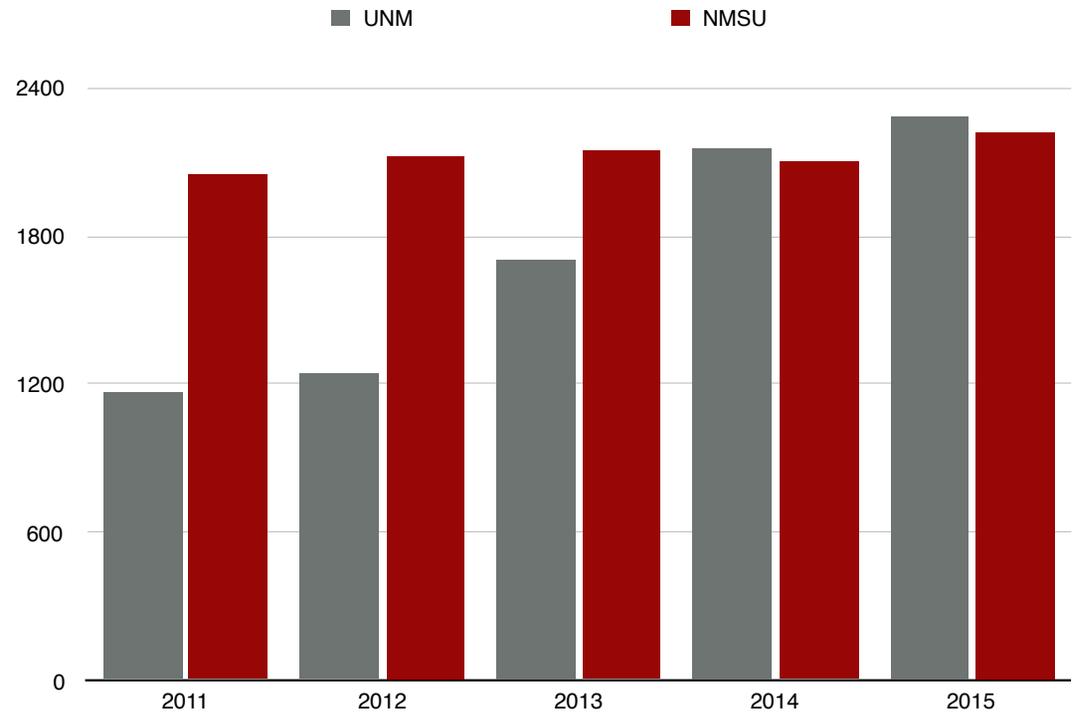
Engineering Plan Goal 1: Academics and Graduation

NMSU V20/20: KPI-3 Degrees and Certificates, KPI-6 Graduation Rate

120 Credit Challenge

Engineering Head Count

year	UNM	NMSU
2011	1165	2044
2012	1239	2128
2013	1700	2140
2014	2154	2101
2015	2289	2216



120 Credit Challenge

General Education Plus VWW

GEN ED + VWW	NMSU	UNM	
ENGL 111	4	3	
ENGL 218	3	3	
COMM 256	3	3	
MATH	4	3	
LAB SCIENCE	8	8	
SOC/BEH/HUMM/ ARTS	15	15	
VWW	6	0	
	43	35	30
	NMSU	UNM	HCL