

# A Vision for Learning Communities of Aggie Engineers

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# Intrapersonal

Will-to-do  
Self-directed  
Vision  
Passion  
Ethical Behavior

Connect  
Interact  
Communicate  
Relate  
Contextualize

Critical Thinking  
In-depth Knowledge  
Analytical/Rational  
Objective Reality

# Interpersonal

# Cognitive

# What if We Have One Without the Other?

Will-to-do without interpersonal skills is destructive, and without knowledge is chaotic.

Interpersonal skill without knowledge is indiscriminate, if not blind, and without will-to-do is inert, effusive, but not productive.

Knowledge without interpersonal skills is egoistic and manipulative, without will-to-do it is impotent.

# Engineering Learning Communities

Learning Communities will give NMSU engineering students the opportunity to develop the skills they need to succeed in school, at work and in life by redesigning their learning environment to meet 21<sup>st</sup>-century demands.





# Goals

- Removing barriers to learning – be they physical walls or organizational structures – so students and faculty members can work in a real-world setting.
- Ensuring students get the help they need to successfully complete the classes and degree programs they find most difficult – avoiding the need to change majors or drop out of NMSU.
- Giving both interpersonal and intrapersonal skills to students in addition to cognitive skills so they excel at both work and in life, relate their expertise to the communities they live in, and become responsible citizen-engineers.
- Providing students with resources they need to graduate on time, get engineering jobs, and one day give back to NMSU so future engineering students can reap the same benefits.

# Operational Details

- An open, central space where engineering students from across academic disciplines can work together on interdisciplinary projects.
- Quiet small-group meeting rooms for tutoring, mentoring and counseling purposes.
- Meeting rooms where professors, student mentors and/or industry professionals can share expertise and experience with tomorrow's engineers and facilitate development of entrepreneurial, inter- and intra-personal skills.
- Meeting rooms for Engineering Freshman Year Experience.
- Activity rooms for student organizations to facilitate peer-mentoring.





# Essentials

- Space configuration
- Faculty and student mentor/tutor fellowships
- Endowed lecture series and virtual coffee clubs for industry participants
- Support staff:  
Scheduler/coordinator,  
career counselor, IT  
personnel



Thank you

