Breaking down historic academic silos:
An innovative model for student success and improved post-graduate readiness is developed via a series of integrative planning strategies.

**Strategy**
- Combine earth sciences and engineering, as well as energy and environmental research
- Support advancement of pedagogical scholarship through flexible, active learning classrooms
- Integrate advanced programs with industry partners despite location in a non-urban area
- Emphasize the way programs support student success for women and minorities in engineering
- Integrate research and academic studies that were previously separate to support learning models
- Conduct post-occupancy research, looking at the university's various active learning models

**Outcome**
- Changed the campus paradigm by providing program space for disciplines typically siloed
- Greater student success and equity to all engineering students
- Industry partnerships benefit faculty in acquiring research funding and students in acquiring real-world experience
- Improved overall diversity within the engineering programs
- Increased overall effectiveness of new learning strategies
- Deeper understanding of the impact of the integrative initiatives to deploy elsewhere on campus