Vision 2020
Civil, Architectural and Environmental Engineering

Strategy for Success

We shape the future of built and natural environments of our global society through creative research and education.
To fulfill our mission and to position our department on the front line of excellence for decades to come, our strategic plan has identified the following four major themes.

1. **program innovations & opportunities**
   
   **Enhance our educational programs and delivery methods** by offering our students innovative programs and opportunities such as integrated BS + MS programs and required experiential learning activities.

2. **program access & degree value**
   
   **Promote the appeal and value of our degree programs to diverse student populations** by making admission to our programs more competitive, offering increased scholarship support to students who enroll in new programs (such as our integrated BS + MS program), and establishing competitive fellowships for graduate students.

3. **faculty development & collaborations**
   
   **Champion interdisciplinary teaching and research collaborations** within the department and across campus by investing in faculty development that supports the department’s education and research portfolios in areas of greatest global need.

4. **recognition & reputation**
   
   **Nurture knowledge creation, entrepreneurial enterprise and technology transfer** to drive transformative change through faculty and student research that demonstrates academic distinction, value to industry, and the promise of breakthrough discoveries in targeted technical areas.
**Actions**

- Implement required experiential learning activities in BS degree programs
- Develop/implement new educational program paradigms
- Promote new opportunities and programs
- Restructure scholarship programs for BS + MS students
- Develop/implement new funding opportunities for graduate students
- Restructure undergraduate program entrance requirements
- Hire full-time Professor of the Practice
- Identify/secure funding streams to grow/retain rising star faculty
- Develop/implement appropriate faculty workload model
- Enhance/upgrade facilities and labs
- Enhance national/international reputation

**Metrics**

- Funding secured to support experiential learning activities
- Alumni/industrial partners secured
- Integrated BS + MS degree programs (in approval process)
- Coordinator appointed
- Funding secured to support students in new programs
- Graduate Student Fellowship Program in place
- New requirements provided to Freshman Engineering Program
- Professor of the Practice hired
- Faculty Excellence Award Program in place and funded
- Appropriate faculty workload model in place
- Advanced Construction and Materials Laboratory (construction)
- Faculty scholarly productivity exceeds comparator institutions

Legend: Ongoing, Incomplete, Completed