## **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.

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**UPDATE**Spring 2019

#### **THEMES**

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.



### 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.



#### 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.



### 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.



#### 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 METRICS**

- 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

- faculty workload model
- Enhance/upgrade facilities



- Funding secured to support experiential learning activities
- Alumni/industrial partners secured
- Integrated BS + MS degree programs (in approval process)
- Coordinator appointed



- 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



- Develop/implement appropriate
- and labs
- · Enhance national/international reputation



- Appropriate faculty workload model in place
- Advanced Construction and Materials Laboratory (construction)
- Faculty scholarly productivity exceeds comparator institutions

■ Ongoing ■ Incomplete ■ Completed