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.
• 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

• Funding secured to support experiential learning activities
• Alumni/industrial partners secured
• Integrated BS + MS degree programs approved
• Coordinator hired

• 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 Materials Laboratory completed
• Faculty scholarly productivity exceeds comparator institutions
In 2013, the Missouri S&T Civil, Architectural and Environmental Engineering Department adopted an ambitious strategic plan that outlines how the department will help shape the future of our world’s built and natural environments. In just one year the department has made significant progress in implementing the plan. Two actions within the plan have been completed and three more are underway with an additional seven planned for the near future.

To view our complete plan, visit our website at care.mst.edu.

An important component of the Vision 2020 Strategic Plan is to invest in faculty development through a new Faculty Excellence Fellowship Program. This program will provide growth opportunities to deserving early- and mid-career faculty in the form of career-path incentives and discretionary monetary funds. Providing top-performing faculty with funding, whether to further develop a novel idea or to visit a national laboratory to build collaborations, is also a measurable incentive for continued excellence. The program, which is funded by private investment, will allow our department to clearly and tangibly express the value of excellence by showcasing faculty member efforts and productivity.

The Faculty Excellence Fellowship Program, supports “rising star” faculty members who are focused on the development and application of new knowledge that is critical not only to the future of our field, but also to community infrastructures and lives worldwide. It emphasizes our commitment to recruiting and retaining faculty who will further the department’s education and research portfolios, and who will nurture knowledge creation that demonstrates academic distinction, value to industry, and the promise of breakthrough discoveries in targeted technical areas.

The awards under this program are made possible by funds from the Byran A. and Jeanne Stirrat Faculty Excellence Award and the Francisco M. Benavides Faculty Excellence Award. Recipients will be titled the Stirrat or Benavides Faculty Scholars.

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