Goal 2: Research – Increase research to prepare science and engineering experts, advance knowledge and catalyze economic development

Goal Leader: Vice President of Research

Strategy 2-A: Develop sustainable funding for doctoral education sufficient to graduate 20 PhD students per year.

Action Step 2-A-1: Establish a competitively awarded PhD student support fund using university F&A.

Action Step 2-A-2: Improve faculty success in attracting research funding that supports graduate students.

Action Step 2-A-3: Develop stronger participation of the faculty in SD Mines research centers.

Strategy 2-B: Further develop and implement comprehensive doctoral recruitment plan.

Action Step 2-B-1: Focus international student recruitment effort on key nations and universities.

Action Step 2-B-2: Focus U.S. recruitment on regional science and engineering schools and professional society conferences.

Strategy 2-C: Improve private sector sponsorship, including intellectual property and licensing practices, to significantly expand research and catalyze innovation.

Action Step 2-C-1: Develop umbrella MOUs including research sponsorship with targeted corporate partners.

Action Step 2-C-2: Engage corporate partners in expanded partnerships in key research center activities.

Action Step 2-C-3: Develop a comprehensive marketing strategy for business friendly R&D activities.

Strategy 2-D: Develop and implement targeted enrollment plan for professional and non-thesis master’s programs.

Action Step 2-D-1: Enhance on-line marketing for distance enabled non-thesis masters degrees.

Action Step 2-D-2: Assess potential of M. Eng. programs and 12-month non-thesis MS programs for armed forces officers and other receptive federal, state and private clientele.

Action Step 2-D-3: Establish accelerated MS programs for all existing BS programs.

Action Step 2-D-4: Improve engagement with MS applicants and fully integrate MS enrollment management with EMAS.