School of Science
Strategic Map • 2012-2015
Building Academically Excellent Programs That Will Garner National Recognition

2012-2013 Implementation Plan

Strategic Priority	Strategic Objective	Projects for 2012-2013	Responsible Parties	Key Performance Indicators & Timelines
Building a Teaching and Research Supportive Infrastructure	Acquisition and Maintenance of Instrumentation and Computing	Provide year-3 funding for 5-year strategic laboratory equipment/instrumentation replacement and acquisition plan.	Dean's Office & Departments	Completed purchases (AY 2012-2013).
		Develop 5-year strategic plans for acquisition and maintenance of computing equipment.	Departments & Dean's Office	Completed plans (AY 2012-2013).
		Create list of external funding programs for computing equipment, and prioritize submission opportunities.	Dean's Office & Departments	Comprehensive list developed (Fall 2012); priorities established (AY 2012-2013).
		Create list of external funding programs for laboratory equipment/instrumentation, and prioritize submission opportunities.	Dean's Office & Departments	Comprehensive list developed (Fall 2012); priorities established (AY 2012-2013).
	SoS-focused Information and Technology Support	Advocate for implementation of wireless network in Science Complex and Biology Building as soon as possible.	Dean's Office & Departments	Wireless completed in Math/Physics wing (AY 2012-2013); positive conversations with IT staff about Chemistry wing and Biology Building (ongoing).
		Develop a report outlining the support mechanisms (e.g., practices, policies, procedures) that are needed for the specialized nature of computing in the SoS.	Chairs' Council & Dean's Office	Completed report (Fall 2012).
		Advocate for modification/flexibility in IT policies, such that these take into account the special needs of scientific computing.	Dean's Office & Departments	Positive conversations with IT staff; action-oriented responses (ongoing).
	Facilities Planning to Support Current and Envisioned Programs	Engage in planning process for the update of the campus-wide Facilities Master Plan, and advocate for SoS space needs.	Dean's Office & Departments	Positive conversations with Planning Committee (ongoing); encourage SoS faculty members to volunteer for service on subsequent facilities-related committees (ongoing).
		Conduct space utilization analyses of current SoS-controlled spaces, and reaffirm/define strategic needs for the future.	Departments & Dean's Office	Completed reports (AY 2012-2013).

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Enhancing Scholarship Broadly Across the SoS	Internal Direct Support of Faculty Research	Create a new grant program to support faculty research.	Ad Hoc RFP Development Comm., Review Comm., & Dean's Office	Development of RFP; number of proposals and awards (Fall 2012).
	Professional Travel Support for Faculty and Students	Support travel to scholarly conferences at a relatively high level.	Dean's Office & Departments	Number of faculty-supported trips and student-supported trips; funding level (AY 2012-2013).
	Faculty Support and Development of Grant Writing	Enhance the competitiveness of grant proposals via trip to visit funding agencies in Washington, DC and engagement of consultant services/programs.	Dean's Office & Departments	Number of proposals submitted and grants awarded; nature of reviews; participation level in trips and programs (AY 2012-2013).
Deepening Student Engagement	Small Classes, Manage Scheduling, Strategic Use of Adjuncts	Strategically manage course schedules and average class sizes to ensure deep student engagement.	Dean's Office, Chairs' Council, & Departments	Well-planned/managed course schedules, enrollments, and average class sizes (ongoing).
		Review program learning outcomes, and update as needed.	Departments & Dean's Office	Learning outcomes reaffirmed/updated and posted on Department and SoS websites (AY 2012-2013).
		Identify appropriate instruments/approaches to measure program-based student learning outcomes.	Departments & Dean's Office	Development of summary matrix/rubric depicting learning outcomes and measures for evaluation (AY 2012-2013).
	Increased Opportunities for Student Research, Internships, Capstones and Academic Clubs	Promote, encourage, and support student applicants for Barry Goldwater Scholarships, and other national- and international-level student fellowship programs.	Goldwater Comm., Departments, & Dean's Office	Number of applicants and awards; creation of list of other key opportuniites (AY 2012-2013).
		Promote and support curricular and program development, focused on integration of engaged learning pedagogies and research, as well as interdisciplinarity.	Departments & Dean's Office	Development of expanded or new curricular elements & programming for student clubs (AY 2012-2013).
	Enhanced Opportunities for Developmental Advising and Mentoring	Expand and support successful advising strategies from NSF-funded PERSIST program.	Chairs' Council, Departments, & Dean's Office	Identificaiton of select strategies (Fall 2012); implementaion of strategies for broader set of students (AY 2012-2013).
		Develop an SoS Academic Advising Policy, that defines the principles and strategies we value and support, as well as the shared responsibilites that student advisees and faculty advisors have.	Ad Hoc Committee, Chairs' Council, & Dean's Office	Completed policy, along with recommendations for additional support needed (AY 2012-2013).

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Building a Robust Intellectual Community	Create More Time and Opportunities for Pedagogy, Scholarship and Professional Development for Faculty and Staff	Ensure that service responsibilities are equitably balanced among departmental faculty members.	Chair's Council & Departments	Equitable distribution of service responsibiliites (AY 2012-2013).
		Support travel to professional development-type conferences/workshops related to pedagogy, teaching and learning, high-impact practices, scholarly practice, outcomes assessment, academic advising, time management, etc.	Dean's Office & Departments	Number of faculty- and staff-supported trips; funding level (AY 2012-2013).
		Hold an on-campus workshop on best practices in mentoring.	Ad Hoc Committee & Dean's Office	Program development (Fall 2012); participation level and workshop evaluation (Spring 2013).
		Develop an SoS funding program to catalyze dialogue.	Chairs' Council & Dean's Office	Development of 'Call;' number of requests and supported projects (AY 2012-2013).
	Recruitment and Support of Diverse and Intellectually Courageous People	Prepare advertisements, evaluation criteria, and interview schedules for faculty and staff positions that are well-aligned with the teacher-scholar model in a primarily undergraduate, residential institution and our mission.	Departments & Dean's Office	Successful hires (AY 2012-2013).
		Identify and submit grant proposals focused on supporting students traditionally underrepresented in the SoS.	Departments & Dean's Office	Number of proposals submitted and grants awarded; nature of reviews (AY 2012-2013).
	Increased Opportunities to Share Teaching and Scholarship within SoS and Campus Communities	Enhance SoS and departmental colloquium/seminar series.	Departments & Dean's Office	Program/schedule development; attendance level (AY 2012-2013).
		Hold a symposium/celebration event to showcase SoS faculty achievement (e.g., research, pedagogy, curricular development, etc.).	Ad Hoc Committee, Departments, & Dean's Office	Program development (AY 2012-2013); participation level and symposium evaluation (Spring 2013).
All Priorities and Objectives		Develop department-based lists of comparator institutions/programs to benchmark SoS programs, with the opportunity for site visits to aspirant/peer institutions.	Departments & Dean's Office	Completed comparator lists (AY 2012-2013).