

School of Science • The College of New Jersey
 Strategic Map, 2015-2018
Building Academically Excellent Programs That Will Garner National Recognition

2015-2016 OUTCOMES

Strategic Priority	Strategic Objective	Projects for 2015-2016	Major Outcomes
All Priorities and Objectives		Work with the Director of the Center for Institutional Effectiveness to update departmental assessment plans and to identify/enhance usage of appropriate instruments/approaches to measure program-based student learning outcomes.	Held several conversations with the Director of the Center for Institutional Effectiveness and the Assistant Director of Assessment at Council of Chairs meetings; These individuals also met with each Department; Several departments held retreats; Assessment plans were updated and instruments/measures were identified in three departments; Project ongoing.
		Develop the content for new SoS website.	New website launched, including the School site and the home pages for each department; The new design represents a major upgrade primarily showcasing our programs to external audiences.

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Enhancing Scholarship Broadly Across the SoS	Internal Support for Faculty Research and for Professional Travel for Faculty and Students	Continued support of SoS mini-grant program for faculty research.	Seven proposals were received and six were funded.
		Continued support of SoS external scholarly mentor program, scholarly writing groups, and catalysis conversations.	One proposal was received and one was funded.
		Continued support of travel to scholarly conferences at a high level.	Approximately 97 faculty trips and 54 student trips were supported by the School of Science; Approximately 94 scholarly presentations were delivered.
		Create a new SoS internal scholarly mentor program.	Creation of program postponed.
		Provide new administrative support for post-award grant management in the SoS.	Assessed level of support needed; Advertised for a part-time SoS Grants Administrator and Budget Manager; Search underway with position to be filled in August 2016.
	Increased Faculty Engagement and Development in Grant Writing	Increase faculty interest and ease with grant submissions via informal information sessions (brown bag lunches, grant planning sessions) and topic-specific, on-campus support.	Held 10 on-campus, SoS grant-writing workshops; 28 proposals/pre-proposals were submitted; 26 PIs/Co-PIs, representing all departments, were included; the funding rate was 45% for proposals with decisions; over \$1.9 million in award funding was secured.
		Continued support of trips to funding agencies and grant-related conferences with a focus on increasing participation within all departments.	Five faculty and staff members attended the CUR Dialogues meeting on grant opportunities; One staff member attended three NSF and NIH grant proposal development and management conferences; Trip to visit funding agencies postponed.
	Enhanced Integration of Research and other Deeply Engaging Pedagogies throughout the Curriculum for Majors and Non-majors	Create a new SoS curriculum development grant program.	Creation of program postponed.
		Continued support of travel to conferences/workshops related to pedagogy, teaching and learning, high-impact practices, scholarly practice, and outcomes assessment.	Supported faculty and staff travel to several key meetings, such as: Understanding Interventions that Broaden Participation in Science, AAC&U meeting on undergraduate STEM education, CUR Dialogues, NSF and NIH grant proposal development and management conferences, NSF Broader Impacts Conference, HHMI/Helmsley Summer Institute on Science Teaching, AAPT workshop on physics teaching, and SIGCSE.

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Deepening Student Engagement	Broadening Participation in Student Research, Internships, Capstones, and Academic Clubs	Implement new SoS Gateway to Research Careers in Science program and create a coordinated series of academic programming that realizes synergies among all related SoS student support programs (Gateway, PERSIST, iPics, IUUSE).	Developed a series of five coordinated workshops and receptions; Recruited new cohort of six Gateway Scholars for Fall 2016.
		Develop and create content for a new "Student Organization Profile" section on the SoS website.	New profile series developed; Five inaugural profiles posted.
		Support teams of faculty and staff members to attend conferences and workshops focused on student success (e.g., AAC&U, Understanding Interventions).	Four faculty and staff members attended the Understanding Interventions that Broaden Participation in Science conference; Five faculty and staff members attended the AAC&U meeting on undergraduate STEM education.
	Enhanced Student-Faculty Engagement through Developmental Advising and Mentoring	Explore the creation of Alumni Mentoring Programs based on the successful model in Engineering.	The Council of Chairs met with the Dean of the School of Engineering; Creation of department-focused programs under discussion.
		Increase awareness, number of proposals, and on-campus support for student applications to the National Science Foundation's Graduate Research Fellowship Program (NSF-GRF).	Developed a new SoS support program, including information sessions, workshops, and one-on-one proposal reviews; Attendance was high with at least 9 student applications; Two alumni each competitively received a Fellowship.
	Enhanced Integration of Research and other Deeply Engaging Pedagogies throughout the Curriculum for Majors and Non-majors	Create a new SoS curriculum development grant program.	Creation of program postponed.
		Continued support of travel to conferences/workshops related to pedagogy, teaching and learning, high-impact practices, scholarly practice, and outcomes assessment.	Supported faculty and staff travel to several key meetings, such as: Understanding Interventions that Broaden Participation in Science, AAC&U meeting on undergraduate STEM education, CUR Dialogues, NSF and NIH grant proposal development and management conferences, NSF Broader Impacts Conference, HHMI/Helmsley Summer Institute on Science Teaching, AAPT workshop on physics teaching, and SIGCSE.

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Building a Robust Intellectual Community	Recruitment and Development of Diverse and Intellectually Courageous Students, Staff, and Faculty	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.	Hired four tenure-line faculty members, several visiting faculty members, and four staff members; Held productive meetings with the Offices of Human Resources and Admissions.
		Identify and submit grant proposals focused on supporting students traditionally underrepresented in the SoS; Implement funded grants.	Submitted three proposals: NSF-Robert Noyce Teacher Scholarship proposal, HHMI Inclusive Excellence pre-proposal, and NIH-MARC proposal; Implemented three NSF awards (PERSIST, iPics, Firsts).
		Implement new SoS Gateway to Research Careers in Science program and create a coordinated series of academic programming that realizes synergies among all related SoS student support programs (Gateway, PERSIST, iPics, IUSE).	Developed a series of five coordinated workshops and receptions; Recruited new cohort of six Gateway Scholars for Fall 2016.
	Deepened Engagement in Events Where Teaching and Scholarship are Shared within the SoS and Campus Communities	Continue to enhance SoS and departmental colloquia series.	Held 52 colloquia, including disciplinary and interdisciplinary presentations, a range of external and SoS faculty speakers, and a new Novo Nordisk lecture series.
		Broaden participation at colloquia both inside and outside of their home department.	Colloquia and lecture presentations were well-attended.
	More Time and Opportunities for Pedagogy, Scholarship, and Professional Development for Faculty and Staff	Continue to support travel to conferences/workshops related to pedagogy, teaching and learning, high-impact practices, scholarly practice, outcomes assessment, academic advising, time management, etc.	Supported faculty and staff travel to several key meetings, such as: Understanding Interventions that Broaden Participation in Science, AAC&U meeting on undergraduate STEM education, CUR Dialogues, NSF and NIH grant proposal development and management conferences, NSF Broader Impacts Conference, HHMI/Helmsley Summer Institute on Science Teaching, AAPT workshop on physics teaching, and SIGCSE.

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Building a Teaching and Research Supportive Infrastructure	Integration of New Facilities, Instrumentation, and	Continue to provide Equipment Leasing Fund (ELF) funding for strategic laboratory and computing equipment/instrumentation replacement and acquisition plans.	Funds made available; Purchases ongoing and nearly completed.
	Computing into Curricular and Research Programs	Engage in the planning and design process for renovation of SoS facilities during Phase 2 of the STEM Complex project; Continue to be engaged in communication about progress of the Phase 1 new construction.	Phase 1 – Construction well underway; Engaged in meetings and reviews of furniture options; Engaged in review and selection of artist for outdoor classroom/public art. Phase 2 – Held many meetings with the architects over three design phases (finalizing program, schematic design, design development).
	Maintenance, Support, and Training for Instrumentation and Computing	Actively engage in search process for new Chief Information Officer via participation in on-campus interview events and submission of feedback to search committee.	Many faculty and staff members participated in the interview process.
		Coordinate discussions on long-term maintenance, training, and service needs.	Departments assessed level of support needed and strategic implementation of resources; Project ongoing.
	Enhanced SoS-focused Information and Technology Support	Work with new CIO to enhance communication and support such that IT takes into account the special needs of scientific computing.	Had positive conversations with new CIO; Partnering on the development of a grant proposal to the NSF Campus Cyberinfrastructure program.
		Provide new support for the High Performance Scientific Computing Cluster.	Assessed level of support needed; Recruited and hired a new SoS HPC System Administrator.