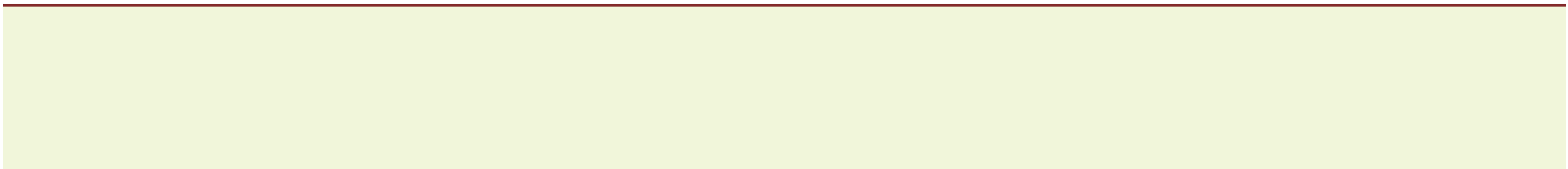
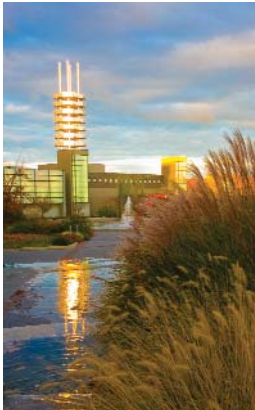


## STONY BROOK HAS 12 PRINCIPAL GOALS FOR 2008-2013:

- 1.** Develop Stony Brook as a multicampus institution.
  - 2.** Expand, strengthen, and diversify the faculty.
  - 3.** Build research with a special focus on interdisciplinary, translational, and applied research and the study of contemporary issues.
  - 4.** Increase the student body to 27,000 excellent students.
  - 5.** Provide leadership for regional challenges and opportunities as greater Long Island's research university.
  - 6.** Advance health care programs and services as an integral part of Stony Brook.
  - 7.** Raise the arts to national prominence.
  - 8.** Strengthen graduate education.
  - 9.** Implement an undergraduate curriculum for the 21st century and promote student success.
  - 10.** Create an increasingly vibrant and inclusive campus community.
  - 11.** Support sustainability through a green-campus initiative.
  - 12.** Extend international curricula and connections.
- 

# 1.

## DEVELOP STONY BROOK AS A MULTICAMPUS INSTITUTION.



*Top: The Charles B. Wang Center was one of the largest gifts ever made to SUNY.*

*Bottom: Stony Brook Manhattan's expansion accommodates increased demand for classroom, seminar, and conference space.*

With the acquisition of Stony Brook Southampton, creation of the Research and Development Park, and development of additional space in Manhattan, Stony Brook has begun to reshape itself as a multicampus institution. The new locations will be developed synergistically, leveraging the opportunities unique to each while complementing and supporting the main campus.

The largest single project is developing the 82-acre Southampton campus as a world-class center for undergraduate education, emphasizing environmental and sustainability studies including related political, economic, social, and philosophical issues. Stony Brook Southampton will provide an intimate, small-college experience within a research university. The campus will also offer professional education to the East End community and academic and cultural programs in the creative arts.

The Research and Development Park—246 acres adjacent to the Stony Brook campus—will ultimately house ten new buildings, providing space for faculty, students, and companies to work together developing products and adding businesses to the Long Island economy. The first two buildings will be the New York State Center of Excellence in Wireless and Information Technology and the Advanced Energy Research and Technology Center.

Stony Brook's Manhattan campus, on Park Avenue South between 27th and 28th streets, brings Stony Brook courses and selected degree programs to New York City residents and resources such as city-related courses and internships to Stony Brook students. An expansion scheduled for completion in spring 2008 will support the further development of programs in which the city offers particularly rich opportunities in the arts, humanities, health professions, business, and journalism. Online education will further extend access to Stony Brook courses and programs.

### 2008-09 ACCOMPLISHMENTS

**Develop Stony Brook as a leading research university** In February 2009 Stony Brook surpassed the \$300 million goal of its first-ever capital campaign, "The Emergence of Stony Brook," with gifts totaling more than \$312 million. Through early April the campaign total had risen to more than \$336 million, and it is poised to achieve even greater results by its conclusion on June 30, 2009. The historic campaign—the largest in SUNY history—has twice set records for the largest gift, the Charles B. Wang Center and the Simons Center for Geometry and Physics, as well as the first-ever donor of more than \$100 million (Drs. James and Marilyn Simons and the Simons Foundation). From capital expansion to additional scholarships to new endowed chairs and research centers, such as the \$8 million Louis and Beatrice Laufer Center for Computational Biology and Genome Sciences, the seven-year campaign is contributing unprecedented support to Stony Brook's ongoing development.

In recognizing Stony Brook's stature, the *London Times Higher Education Supplement—QS World University Ranking* assigned the University its highest yet placement in the 2008-09 rankings. Stony Brook ranked 127th among the top 200 world universities, placing it in the top 1 percent of colleges and universities worldwide. Stony Brook was 70th in natural sciences and 91st in arts and humanities.

**Stony Brook Southampton** In its second full year, enrollment at Stony Brook Southampton increased to more than 300 students. Three majors were established: Ecosystems and Human Impact; Environmental Design, Policy and Planning; and Sustainability Studies. The majors Environmental Studies, Marine Sciences, Marine Vertebrate Biology, and Business are also offered.



Mary Pearl, an internationally known and respected conservationist, became the first dean and administrative vice president of Stony Brook Southampton in March, coming to Stony Brook after serving as the president of Wildlife Trust since 1994. A variety of short-term capital improvement projects were completed while work continues on a facilities master plan. A new library building will open in fall 2009.

*Stony Brook Southampton increased enrollment to more than 300 students, added three majors, and appointed its first dean, Mary Pearl.*

**Stony Brook Manhattan** In September 2008 Stony Brook Manhattan expanded to the third floor of 387 Park Avenue South, adjacent to the original location at 401 Park Avenue South. The new facility adds 210 classroom seats in six classrooms as well as a computer lab and office space. It provides space for gatherings of up to 150 people; the original site continues to host smaller events and classes.

In addition to providing credit courses with enrollments totaling nearly 2,000 in 2008-09, Stony Brook Manhattan hosted events such as a two-day conference, "Cognitive Disability: A Challenge to Moral Philosophy," with 135 participants; a one-day intensive wine education class; graduate student academic conferences in a variety of academic departments; and several two-day Extraordinary Caregiver Recognition programs organized by the School of Social Welfare.

**Research and Development Park** The R&D Park's first building, the Center of Excellence in Wireless and Internet Technology (CEWIT), opened in October 2008, providing 100,000 square feet for researchers and start-up companies. Construction began on the second building, the Advanced Energy Research and Technology Center (AERTC), which is scheduled for completion in spring 2010. AERTC is designed to achieve Platinum rating for energy efficiency by national Leadership in Energy and Environmental Design (LEED) standards. In addition to these new facilities, an existing building was renovated to house University administrative departments and free up on-campus space for other uses.

AERTC hosted a conference with nearly 1,000 attendees in fall 2008, and it is undertaking major research and development programs in alternative energy with the industry partners it attracted from the conference and other outreach efforts. Several research collaborations have been initiated in response to the incentives of new federal funding programs. CEWIT's annual conference, with attendance of about 400, informed participants about recent research results and other factors that will affect business at large in the next 15 to 36 months.

# 2.

## EXPAND, STRENGTHEN, AND DIVERSIFY THE FACULTY.

A university is as great as its faculty, and Stony Brook will foster its other five-year initiatives with faculty development. Targeted recruitment, including cluster hiring, will support interdisciplinary initiatives and other research and teaching priorities. Recruiting and retaining scholars and teachers of distinction will increase research, enrich intellectual life on the campus, promote curriculum development, support more student research and creative projects, and facilitate the development of close relationships between students and faculty members. Increasing the number of women and members of ethnic minority groups on the faculty is an institutional priority. To support the recruitment of excellent, newly minted faculty, Stony Brook will continue to seek ways to offer affordable housing, partnering with local organizations.

### 2008-09 ACCOMPLISHMENTS

**New faculty and cluster hires** A six-person cluster hire in computational science was completed with the addition of one faculty member to the New York Center for Computational Science (NYCCS). The Center is a joint venture with Brookhaven National Laboratory, which will house its 100-teraflop supercomputer. A second cluster was hired in the Consortium for Interdisciplinary Environmental Research (CIDER), to which three faculty were added in 2008-09. Stony Brook's full-time faculty increased by 60, owing primarily to a net increase in the number of full-time lecturers and clinical faculty.

New faculty members were better welcomed to Stony Brook, implementing recommendations of a 2007-08 New Faculty Orientation Task Force. A faculty orientation process, separate from general staff orientation, was offered for the first time. A new faculty Web site was established to provide information and generate a sense of community (<https://web.stonybrook.edu/newfaculty>). A series of workshops was created for new faculty, who were also encouraged to attend other Faculty Center workshops.

**Endowed professorships** Four endowed professorships were established in 2008-09: the Frey Family Foundation Endowed Chair in Quantitative Finance and three positions associated with the Louis and Beatrice Laufer Center for Computational Biology and Genome Sciences—a chair and two professorships.

*Targeted recruitment supports interdisciplinary initiatives and other research and teaching priorities.*



## BUILD RESEARCH WITH A SPECIAL FOCUS ON INTERDISCIPLINARY, TRANSLATIONAL, AND APPLIED RESEARCH AND THE STUDY OF CONTEMPORARY ISSUES.

# 3.

The continued development of the research that makes Stony Brook one of the world's leading universities will focus on interdisciplinary programs and on research that promotes technological development and meets social needs. The University's close relationships with Brookhaven National Laboratory and Cold Spring Harbor Laboratory will be important resources.

The extraordinary advance of disciplinary science, technology, and scholarship has created opportunities for research and educational programs that transcend traditional disciplinary boundaries. Increasingly, the most important scientific, pragmatic, and scholarly problems can be addressed only by combining the insight and expertise of several disciplines. Stony Brook will foster interdisciplinary development by creating several Universitywide centers and promoting additional collaboration. Research funding will increase as these initiatives position Stony Brook to compete for interdisciplinary team-based grants.

Stony Brook's large-scale interdisciplinary centers will address institutional priorities and opportunities. The initiatives in computational science and integrative environmental research begun in 2006 are examples. Additional centers will be formed during the next five years. Other interdisciplinary activities will emerge from faculty creativity stimulated by opportunities for interaction and administrative arrangements that promote interdisciplinary work.

Stony Brook will extend current strengths in basic research and further develop applied research programs that contribute to the solution of technological, environmental, medical, and social problems. A major new program in computational neuroscience will capitalize on computation-based understanding of neural circuits in the normal and damaged brain. This approach will facilitate development of innovative treatments for neurological disorders, including the use of brain stimulation and neural stem cells. The first facilities planned for the Research and Development Park embody major opportunities for research in the next wave of the Information Revolution—wireless technology—and in alternative energy.

In the humanities, arts, and social sciences, the multicultural global society and economy of the 21st century provide unprecedented opportunities for interdisciplinary research and scholarship. Their faculty will also play a key role in interdisciplinary projects in the applied sciences that include analysis of the social and cultural implications of new technologies.

### 2008-09 ACCOMPLISHMENTS

Several new centers were created or developed in 2008-09, collaboration with Brookhaven National Laboratory was strengthened, and the vice president for research continued to support the early identification and development of multidisciplinary research groups to mobilize campus resources for the increasingly diverse nature of research funding opportunities. Areas of emphasis, some of which are reflected in the new centers described below, include medical humanities and bioethics, engineering of excitable cells, clinical and translational research, environmental toxicology, Alzheimer's disease, stem cells, and climate change/global warming.

**Simons Center for Geometry and Physics** The first permanent faculty and postdocs in the Center were hired, and a director was recruited to begin work in September 2009. Two distinguished physicists visited and several workshops were convened. Construction of the building to house the Center began in May 2009.



*Top: Drs. James and Marilyn Simons and the Simons Foundation have donated more than \$100 million to the University.*

*Center: Rendering of the Simons Center for Geometry and Physics*

*Bottom: Brookhaven National Laboratory*



*The Confucius Institute at Stony Brook University is the first of its kind in a New York State institution of higher education.*

**Louis and Beatrice Laufer Center for Computational Biology and Genome Sciences** The Center will occupy 7,500 net square feet in the Chemistry Building to provide a visible, physical center for computational biology faculty and activities that have been dispersed among a number of departments. A weekly seminar series was initiated in fall 2008; prominent researchers were brought to campus to consult on the Center's development, and recruitment began for a director.

**Institute for Ocean Conservation Science** The Institute was established in the School of Marine and Atmospheric Sciences with \$4 million in support from the Pew Charitable Trusts, the Lenfest Ocean Program, and other public and private sources. The Institute's research will contribute to solving some of the most complex oceanographic issues facing Long Island, New York State, the nation, and the world, including fisheries sustainability, conservation of threatened and endangered ocean wildlife, and ecosystem-based ocean management.

**Center for Medical Humanities, Compassionate Care, and Bioethics** The Center was created in 2008-09 and a director was hired. The Center is an interdisciplinary campuswide focal point for research, education, and practice in the medical humanities and social and behavioral sciences.

**Confucius Institute** The Ministry Education of the People's Republic of China funded Stony Brook to operate a Confucius Institute. In April 2009 there were 328 such institutes worldwide; Stony Brook's Institute is the first in a New York State institution of higher education. Worldwide, Confucius Institutes promote Chinese language and culture and support local Chinese teaching. The Institute at Stony Brook will house a library of Chinese monographs. Its opening on April 13, 2009, was attended by State Councilor Madame Liu Yan-Dong and Minister of Education Zhou Ji of the People's Republic of China, as well as by other Chinese and U.S. dignitaries.

**Center for Bioengineering** This new 27,000-gross-square-foot building adjacent to the Life Sciences Building will be completed in June 2009 to provide consolidated and expanded facilities for the Department of Biomedical Engineering, the Center for Advanced Technology in Medical Biotechnology, and the Center for Advanced Technology in Sensor Systems. Half the construction cost was funded by a competitive award of \$13.3 million from the New York Science, Technology and Innovation Foundation (NYSTAR) for a STAR Center for Biomolecular Diagnostics and Therapeutics. The Center will facilitate collaboration among life scientists, physical scientists, and engineers whose disciplines have become essential for seeing, identifying, and manipulating biological phenomena to support the advancement of biomedicine.

**Center for Biofuels Research and Development** Research and development programs in alternative energy were strengthened by the award of an NSF Industry University Center for Cooperative Research grant for this Center. Both industry giants and smaller/younger companies will participate in its projects.

**Interventional Neurosciences Program** In its second year, this program increased Stony Brook's capacity in translational research moving basic science to clinical care through the evaluation of novel strategies for the treatment of stroke. Two research professors were hired, 2,000 net square feet of laboratory space was renovated, clinical and research angiography equipment was purchased, and clinical and research studies of new devices for treating cerebrovascular diseases were initiated.

**Joint Photon Sciences Institute** This institute at Brookhaven National Laboratory is an interdisciplinary research center that will develop programs to utilize the unprecedented brightness of the National Synchrotron Light Source-II at Brookhaven. The Institute will provide a research focal point for faculty at Stony Brook and elsewhere, facilitate research funding, and develop undergraduate and graduate education programs integrated into the Stony Brook curriculum.



**ScanLab** This facility was created to house a state-of-the-art 3-Tesla Magnetic Resonance Imaging scanner funded by the National Science Foundation. It is Stony Brook's first MRI facility devoted solely to research imaging. The facility will be used extensively for imaging studies related to social, cognitive, and affective neuroscience involving faculty from Psychology, Biomedical Engineering, the School of Medicine and other Health Sciences Center schools, as well as by Brookhaven National Laboratory and off-campus users.

**Collaboration with Brookhaven National Laboratory** With the designation of Provost Eric Kaler as Vice President for Brookhaven Affairs, the Office of Brookhaven National Laboratory Affairs has reinvigorated Stony Brook's relationship with Brookhaven National Laboratory (BNL) and worked to align the long-term goals of both institutions. The new position of Associate Vice President for Brookhaven Affairs was created. The first incumbent, Michael Marx, is a Stony Brook physicist who has been associated with Brookhaven for nearly 40 years. This new team has strengthened the University's relations with BNL and Battelle Memorial Institute, Stony Brook's partner in Brookhaven Science Associates (BSA). They have also created a strategic plan for joint scientific efforts between Stony Brook and BNL, initiated efforts toward competing again for the BNL Maintenance and Operations contract through BSA, and raised Stony Brook's visibility at BNL and in the region.

**Stony Brook Research Alliance** Stony Brook, Brookhaven National Laboratory, and Cold Spring Harbor Laboratory received a \$250,000 planning grant from New York State and began laying the legal groundwork for the Stony Brook Research Alliance. The Alliance will take advantage of New York State's unprecedented opportunity to build a research alliance in the life sciences and biomedicine that will share scientific resources and research projects, attract world-class researchers, and create biomedical business and investment possibilities.

*The PHENIX detector at Brookhaven National Laboratory's Relativistic Heavy Ion Collider helps physicists analyze particle collisions.*

# 4.

## INCREASE THE STUDENT BODY TO 27,000 EXCELLENT STUDENTS.

Stony Brook will continue to grow, increasing enrollment from 23,350 students in 2007 to 27,000–9,500 graduate students and 17,500 undergraduates, 2,000 of whom will be at Southampton. The University will provide New York State residents affordable access to education of the highest quality, while increasing the numbers of out-of-state and international students to give all students the benefits of a geographically diverse student body provided by the great public universities that are Stony Brook's peers.

Doctoral enrollment will increase, and Stony Brook will expand master's-level education to provide a select array of offerings that meet student demand and workforce needs. These will include five-year baccalaureate/master's programs. Mechanisms such as incentive-based budgeting will encourage development and expansion of high-priority programs.

This growth will require additional faculty and Student Affairs staff and expanded campus services and facilities, including state-of-the-art classrooms. Additional residence halls are scheduled to open in 2008, 2009, 2010, and 2011.

### 2008-09 ACCOMPLISHMENTS

**Enrollment** Stony Brook's enrollment increased by 640 students in fall 2008 to reach 24,000. The increase included 400 undergraduates, 100 master's and certificate students, 30 doctoral and professional students, and 110 nonmatriculated graduate students. An incentive revenue program was established to support the development of new and expanded academic programs in 2009-10 by returning to the academic unit a portion of the new tuition revenue generated. Increased enrollment in master's and other health-professional programs is expected to result from this initiative.

**Selectivity** As of the end of April, freshman applications for fall 2009 class were 10 percent above those for 2008, and the acceptance rate dropped, from 43 percent to 39 percent. The average SAT score of admitted students is 1249, 22 points higher than that of fall 2008. More scholarships and improved

*Between 2007 and 2008, the School of Journalism experienced a significant increase in enrollment, from 137 to 232 Journalism majors.*



outreach, recruitment, data management, and analysis have supported these substantial changes. More targeted recruitment has focused on high-ability students and those interested in the sciences, engineering, and other areas with capacity to grow, such as journalism.

**Undergraduate out-of-state enrollment** In fall 2008 15 percent of the freshman class was international or from out of state, up from 13 percent in 2007. The class included 152 international students and 272 students from other U.S. states. For fall 2009 U.S. out-of-state applications increased 20 percent to more than 3,800, reflecting the effects of an aggressive national student search using direct-mail and in-person recruitment efforts focused on New England, the mid-Atlantic region, Florida, and California. International applications were up 42 percent and came from stronger students. In addition to expanded efforts in China and Korea, recruitment was extended to Thailand, Singapore, Vietnam, Hong Kong, Malaysia, and India.

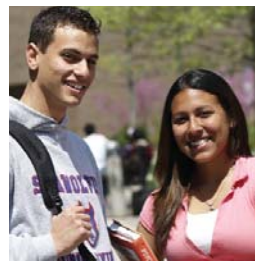
**Doctoral programs** Stony Brook opened two new doctoral programs in 2008-09—the Doctor of Nursing Practice and an interdisciplinary Ph.D. program in Technology, Policy, and Innovation. A Ph.D. in Population Health and Clinical Outcomes Research was approved by SUNY and the State Education Department, and plans for a Ph.D. in Health and Rehabilitation Sciences were submitted for approval.

**Professional programs** The most significant enrollment increase in professional programs was in the Journalism B.A., which grew from 137 students in the major in fall 2007 to 232 in 2008. A new M.S. in Computer Engineering and undergraduate teacher-preparation programs in General Science were approved, and several professional program proposals were submitted for SUNY and SED review, including the M.A. in Higher Education Administration, M.S. in Nursing Education, M.S. in Prosthetics and Orthotics, M.S. in Population Health and Clinical Outcomes Research, and a number of options combining the M.B.A. with other programs. In June 2009 the School of Health Technology and Management will initiate a full-time certification course for emergency medical technicians complementing the ongoing more advanced paramedic program. The New York City Health and Hospitals Corporation funded a psychiatry physician’s assistant program that will begin in September 2009.

Just four years after it started, the Graduate Program in Public Health’s M.P.H. degree was accredited by the Council on Education for Public Health for five years, the longest period possible for a new program. Three five-year degree options integrate East and West Campus programs: the B.S./M.P.H. with Pharmacology, B.A./M.P.H. with Earth and Space Sciences, and B.A./M.P.H. with Women’s Studies.

**Facilities** Following a housing master plan feasibility study conducted by Sasaki Associates for Campus Residences, plans are in place and funding is being secured to expand residential capacity on the Stony Brook campus through the construction of a 600-bed building in Kelly/Roosevelt Quad to open in spring 2010, and the potential for 400 beds in new buildings in Roth and Tabler quads in fall 2011 and 400 beds in new buildings in Mendelsohn and H quads in fall 2013. Residential capacity at Southampton will increase by 96 in fall 2011 when two more buildings are refurbished, and with the currently scheduled addition of a new 150-bed building.

A substantial increase in classroom space is planned for 2012 when the Old Chemistry Building will be renovated to create a new instructional facility. An ongoing program is upgrading existing classrooms; nearly 70 percent now have core instructional technologies, including a digital projector, computer connectivity, DVD/VCR, and Internet access. Installation of automated recording systems permitting lectures to be broadcast via the Internet began in summer 2008. Planning for classroom layouts, furniture, and technology is based on a survey of West Campus instructors completed by Teaching, Learning + Technology in spring 2008.



**Top:** Stony Brook is increasing its numbers of out-of-state and international students.

**Center:** Classroom space will increase following renovation of the Old Chemistry Building to a new instructional facility.

**Bottom:** The average SAT score of students admitted to Stony Brook is 1249.

# 5.

## PROVIDE LEADERSHIP FOR REGIONAL CHALLENGES AND OPPORTUNITIES AS GREATER LONG ISLAND'S RESEARCH UNIVERSITY.



*Top: The Center of Excellence in Wireless and Internet Technology (CEWIT) was the first building to open in Stony Brook University's Research and Development Park.*

*Bottom: Rendering of the Advanced Energy Research and Technology Center (AERTC)*

Stony Brook is greater Long Island's public research university and the State University's downstate university center, serving a region—including Brooklyn and Queens—that has a population larger than 38 states (19 without Brooklyn and Queens). The University will continue to develop that role—as an education center, economic engine, health care leader, and community resource—for services ranging from public education in health care to the performing arts and athletic events. The Southampton campus will expand these services on Long Island's East End.

The Research and Development Park will increase Stony Brook's contribution to the regional economy by developing cutting-edge research and development programs, while strengthening Stony Brook's incubation and entrepreneurship programs on campus and at the Calverton Incubator, which will accelerate technology commercialization and enterprise growth. The University will also address the needs of Long Island and the tri-state region in areas such as environmental studies and sustainable development, health care for an aging population, secondary education, suburban studies, urban and suburban security, and immigration studies. A more coordinated approach to community interaction will increase the value of existing activities and facilitate development of new ones.

### 2008-09 ACCOMPLISHMENTS

**Economic development** The opening of the first building in Stony Brook's Research and Development Park—the Center of Excellence in Wireless and Internet Technology (CEWIT)—and groundbreaking on the second—the Advanced Energy Research and Technology Center (AERTC)—began a new phase in Stony Brook's contribution to the Long Island economy. In 2008 transfer to the private sector of technologies developed in the two centers resulted in the acquisition of more than \$5 million in capital investment, the creation or retention of a projected total of 34 jobs by partner firms, seven CEWIT jobs on site, and the outlicensing of two technologies invented by CEWIT-affiliated researchers. CEWIT's Software Systems Division director provided technical expertise to the Long Island Angel Network by screening 15 companies for financial viability. One has obtained investment, another expects closing an investment very soon, and a third is in negotiations with prospective investors. Almost half of CEWIT's new research activity focuses on uses of information technology in health care, from which policymakers anticipate significant cost savings.

**Incubator programs** Stony Brook continues to provide assistance to incubator tenants and other local companies. CEWIT and AERTC add incubation space. The second year of the Innovation Boot Camp Preseed Workshop gave seven technologists from Stony Brook's economic development programs a "total immersion" opportunity to test their business ideas. A CEWIT technology showcased in the 2008 workshop was licensed to a new local company this year. The Center for Biotechnology's new Bio-Strategies program is partnering with Stony Brook's incubators to offer assistance to tenant companies. The program provides a model for assistance in other technology sectors.

**Workforce development** Federal stimulus funding eligibility was obtained for the Center for Corporate Education and Training to prepare dislocated professionals for certification in Project Management and Business Analysis. The Center will also offer LEED Accreditation in the practical application of the U.S. Green Building Council's Leadership in Energy and Environmental Design building rating system for New Construction (LEED-NC). The LEED and Project Management Programs are both oversubscribed. The Career Center and Center for Corporate Education and Training received honorable mention from the National Association of Colleges and Employers for programs to support workers displaced by the economic crisis.

**K-12 school programs** Stony Brook's Professional Education Program has strong ongoing partnerships with most Long Island school districts and with the region's teacher centers and Board of Cooperative Educational Extension (BOCES) Centers. Stony Brook faculty provide mentoring and professional development, collaborate with district teachers on special projects, and offer programs for students such as a science olympiad and a math camp in the Brentwood District. Stony Brook's participation in the SUNY Urban Teacher Education Center (SUTEC) provides excellent student-teaching opportunities in New York City and facilitates the recruitment of Stony Brook students by City schools.

The Center for Science and Mathematics Education (CESAME) aims to increase the quality, quantity, and diversity of the nation's science and mathematics talent pool. For example, in 2008-09 the Center opened a physics teaching laboratory for use by Long Island high school physics and AP chemistry classes, and a chemistry teaching laboratory for use by high school chemistry classes. These laboratories are modeled after the highly successful biotechnology teaching laboratory, which hosts more than 5,000 students per year.

Child and Family Studies and CESAME collaborated with the Middle Country Library to bring science literacy to underserved families and early childhood programs, to help prepare at-risk children for kindergarten. CESAME sponsored the Protein Modeling Challenge for high school students and, jointly with the Department of Mathematics, hosted the Suffolk County Elementary Math Competition. In summer 2009 the Center will offer more than 20 programs for students and teachers, including the 15th consecutive Biotechnology Summer Camp, and, with the College of Engineering and Applied Sciences and the Department of Mathematics, new camps in mathematics and engineering.

**Research on regional issues** With local utilities and other industry partners, AERTC initiated a major Smart Grid research and development project to address the very high cost of energy on Long Island by improving efficiency and enhancing reliability in electricity transmission and distribution. The new Institute for Ocean Conservation Science will conduct research on oceanographic issues of importance to Long Island, including fisheries sustainability, conservation of threatened and endangered ocean wildlife, and ecosystem-based ocean management.

The Graduate Program in Public Health (GPPH) collaborates with the Suffolk County Department of Health Services to answer questions of regional importance. For example, in 2008-09 two M.P.H. students and two GPPH faculty members investigated the unexpectedly high mortality rate from cardiovascular disease in Suffolk County. GPPH students and faculty have also conducted research for community organizations on risk factors related to emergency room use for burns, preparedness of schools to respond to children with asthma, and middle school children's knowledge and attitudes toward preventing cancer.

**East End programs** Stony Brook Southampton offered the East End community a variety of activities. In addition to the arts programs described in Section 7, the activities included the Sustainability Speaker Series, Symposium on Climate Change and Health, the First New York Women's Conference for Sustainability—organized by a grassroots organization of East End women—and a wine-tasting course and symposium.

**Community service** Through the Career Center's AmeriCorps and VISTA programs, several hundred students have served the Long Island community through mentoring programs; food, book, and clothing drives; and direct service to the impoverished, disabled, homeless, and illiterate. In 2008-09 Athletics organized the National Girls and Women in Sports Day Clinic for more than 150 local youth, collected food donations for a Thanksgiving food drive, sponsored the annual Halloween Fun Fest, supported the first Seawolves Fun and Fitness Day, visited the Pediatric Cancer Unit on a regular basis, and hosted numerous sports clinics.



*Top and bottom: The Center for Science and Mathematics Education (CESAME) opened two teaching laboratories—for physics and chemistry—modeled after a biotechnology teaching lab, which hosts more than 5,000 students per year.*

# 6.

## ADVANCE HEALTH CARE PROGRAMS AND SERVICES AS AN INTEGRAL PART OF STONY BROOK.

The integration of the health sciences into the Stony Brook campus is one of Stony Brook's defining features and an extraordinary resource for biomedical research, which will be further developed in the next five years. Stony Brook University Medical Center will continue to develop its central role in the regional health care delivery system. The disciplinary and interdisciplinary programs of the five health professional schools will continue to meet the region's ongoing and emerging health care education, research, and service needs.

Research programs will expand through further collaboration among clinicians, basic scientists, social scientists, and humanists. Developing translational research, which advances clinical applications of basic science discoveries, is a priority. A second is outcomes research, bringing together faculty with expertise in clinical care, statistics, and the social sciences to investigate the efficacy of clinical services. Engaging social scientists and humanists in the study of health care will revitalize Stony Brook's early commitment to their inclusion.

*Stony Brook University Medical Center ranked 17th out of 102 academic medical centers in the United States.*

### 2008-09 ACCOMPLISHMENTS

**Expanded health education programs** Enrollment in the health sciences schools increased by 100 students in fall 2008. That number includes more medical students, reflecting growth of the class to 124, and 33 students in the new Doctor of Nursing Practice program.



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**Hospital services** Phase I of the Major Modernization of Stony Brook University Medical Center (SBUMC) opened in September 2008 with 154,000 square feet of new construction and 48,000 square feet of renovated space. These renovations were made to accommodate new technology and increasing patient volume while enhancing the experience of patients and visitors. The project includes a new wing housing the Women and Infants Center, an expanded Emergency Department, and a state-of-the-art surgical suite. In addition, capacity was increased from 522 to 546 beds, and SBUMC was granted temporary approval to open an additional 25 beds, bringing total capacity to 571 beds. Electronic Physician Order Entry was implemented, permitting immediate communication of orders that are electronically screened to reduce the risk of medical complications such as drug interactions and encourage standardized medication administration. A strategic plan for improving patient satisfaction was created, and a Patient and Family Centered Care Program was launched to begin implementing that plan.

SBUMC received recognition for providing excellent care. For the 12 months ended March 2008, it ranked third best out of 96 academic medical centers nationwide for lowest overall cardiac mortality. It also received quality awards from the Institute for Healthcare Improvement and the Nassau-Suffolk Hospital Council, and a four-star rating for quality and accountability from the University Health System Consortium; Stony Brook ranked 17th out of 102 academic medical centers nationwide. Twenty-nine Stony Brook doctors were featured in *New York* magazine's annual "Best Doctors in New York" issue.

**Regional leadership in hospital services** In November 2008 New York State approved a comprehensive alliance between Stony Brook University Medical Center and Southampton Hospital to bring new and strengthened clinical services to the South Fork of Suffolk County. The affiliation completes implementation of the recommendation of the Commission on Health Care Facilities in the 21st Century (Berger Commission) for coordinated clinical services. Peconic Bay Medical Center and Eastern Long Island Hospital had already affiliated with Stony Brook. The agreement provides for a one-call hot line for transfer patients, integrated record systems, joint continuing medical education activities, and administrative arrangements that will enhance management efficiency and service excellence.

**Other regional health care needs** On October 20, 2009, the Graduate Program in Public Health's Center for Public Health and Health Policy Research, the Suffolk County Minority Health Action Coalition, the Suffolk County Department of Health Services, and community members/leaders convened the first Suffolk County Minority Health Summit. The event brought together regional leaders to develop a comprehensive strategic plan for improving access to health care in medically underserved communities throughout the county.

The School of Dental Medicine received a nearly \$3.2 million grant from the New York State Department of Health's Health Care Efficiency and Affordability Law for New Yorkers grant program (HEAL NY) to increase access to primary oral health care services for underserved populations on Long Island. The grant will support expansion of the Dental Care Center, to which patient visits increased 41 percent in the past six years, and purchase of a van that will serve as a mobile oral health services clinic.

**Translational research** The Office of Clinical Trials (OCT) supports the development of close relationships between clinicians and basic science researchers and facilitates access of clinical trials for Stony Brook patients and their providers. Searchable areas of interest are listed on the office Web site ([www.osa.sunysb.edu/oct/](http://www.osa.sunysb.edu/oct/)). In 2008 OCT reviewed more than 80 new studies for 30 investigators and negotiated more than 30 study budgets with sponsors. In spring 2009 107 industry-sponsored trials are open.



*Phase I of Stony Brook University Medical Center's Major Modernization project was recently completed.*

# 7.

## RAISE THE ARTS TO NATIONAL PROMINENCE.



*Top: The Stony Brook Film Festival is one of the top film festivals in the country.*

*Bottom: The Charles B. Wang Center hosts a variety of Asian music, dance and film programs, and art exhibits.*

Stony Brook's location halfway between New York City and the artistic communities of Long Island's East End provides an exceptional opportunity for programs in the visual, literary, and performing arts. Stony Brook Southampton expands the possibilities. In the next five years these resources will be used to support the expansion of performance/exhibition programs and art education and scholarship. Organizational strategies will be developed to ensure the success of artistic endeavors in the research university context.

### 2008-09 ACCOMPLISHMENTS

**Staller Center programs** In 2008-09 the Staller Center offered the first complete 11-performance season of its Live from the Met in HD opera series, following the inaugural 2007-08 season in which Stony Brook became the first U.S. university arts center to program this highly acclaimed new series. More than 7,000 students, faculty, staff, and community members attended. As the Center celebrated its 20th anniversary, world-class artists including Patti Lupone, Mandy Patinkin, Branford Marsalis, Garrison Keillor, and Savion Glover were among the year's performers. Total attendance was up nearly 5 percent, with students accounting for nearly 10 percent of the audience, more than double that of three years ago. The Stony Brook Film Festival was ranked one of the Top 20 Film Festivals in the country by *Moviemaker* magazine; four films were picked up for theatrical distribution after premiering at Stony Brook.

**Wang Center programs and exhibits** The Charles B. Wang Center continued to host a variety of Asian music, dance and film programs, and art exhibits. Spring 2009 programs included a Chinese New Year Festival, a Japanese Cherry Blossom Festival, classical Indian dance, Filipino and Iranian films, a performance by a Sri Lankan-American comic, and the Children's Orchestra Society Springtime Musical. The art of Chinese cuisine was the focus of a Chinese cookbook exhibit titled "A Wok Through Chinese Culinary History," taken from among the collection of Dr. Jackie Newman. Some of the more than 3,000 books in Dr. Newman's historical collection were on display. The grand opening in the Wang lobby featured Chinese music, dance, and an opportunity for attendees to create their own spring rolls.

**Southampton arts programs** The Avram Theater reopened in July 2008 following a \$1 million restoration; it hosted a variety of programs including Pianofest and season two of the Sustainable Treasures concert series featuring opera, jazz, and cabaret. In March and April 2009 the First Annual Green Film Series paired environmental films with a speaker to discuss the topic of each film. The Avram Gallery opened with an exhibit of McMullan's Theater Posters and later displayed The Art of Richard Mayhew. An exhibit of Milton Glaser's work, including some never before exhibited, runs from May to September 2009.

The Southampton Writers Conference expanded to include a Playwriting Conference and Screenwriting Conference that included public film screenings followed by panel discussions. A new Young American Writers Project offered interdisciplinary writing programs to middle and high school students. "Writers Speak" welcomed the public to an ongoing series of free talks by local authors.

# 8.

## STRENGTHEN GRADUATE EDUCATION.

Stony Brook will further develop its excellent doctoral programs by promoting interdisciplinary graduate education and expanding initiatives that prepare students for success in a variety of careers. The expansion of interdisciplinary educational opportunities will complement the increase in interdisciplinary research and prepare students for 21st century careers. These opportunities take various forms, ranging from undertaking an interdisciplinary project under the guidance of faculty in multiple departments, to working in an interdisciplinary center, to obtaining a Ph.D. in an interdisciplinary program.

The further development of graduate and research programs in the humanities and social sciences is a priority. Addressing the social, political, economic, and environmental issues of the 21st century requires people trained in languages and transnational perspectives on philosophy, history, culture, and social structure.

Stony Brook will also focus on preparing doctoral students for professional success by providing training and certification in areas such as teaching, mentoring, leadership, and communication skills. Recognizing the varied careers graduates pursue, these programs will prepare students for success outside the academy as well as within it. Master's and certificate programs will continue to provide excellent professional education in a variety of fields.

To recruit additional graduate students and maintain high-quality programs, Stony Brook will provide graduate stipends at the cost-adjusted median level for peer schools and address the shortage of graduate housing. The number of teaching assistantships will be increased to support undergraduate enrollment growth and expand opportunities for small class meetings.

### 2008-09 ACCOMPLISHMENTS

**Recruitment and support** Graduate stipends were raised \$4,000 in fall 2008, which increased the recruitment of top students. The increase will be partially sustained in fall 2009.

**Skills development** Stony Brook's new Faculty Center created a workshop series for both faculty and TAs in 2008-09 and worked with a number of academic departments to prepare TAs for their teaching roles and address specific problem areas. A new noncredit teaching certificate program for TAs will be offered in fall 2009. They will attend workshops, participate in a learning community, and complete a teaching project.

**Housing** The Task Force on Graduate and Professional Student Housing, working with the results of research conducted by the Center for Survey Research, identified the population of medical and dental students, as well as medical residents, as the primary target for construction of additional graduate housing because they are more likely to be able to afford the rental costs. Based on this outcome, the consulting firm Brailsford & Dunlavey was asked to develop a business plan for such a project. Sasaki Associates worked simultaneously on a master plan for locations for undergraduate and graduate housing on campus, and in collaboration with Brailsford & Dunlavey, identified three potential locations for 400 beds of graduate apartment housing. Further review of the results of these efforts is required.



*Top: A new noncredit teaching certificate program for TAs will be offered in fall 2009.*

*Bottom: A business plan is being developed that addresses the viability of constructing additional graduate and professional student housing.*

# 9.

## IMPLEMENT AN UNDERGRADUATE CURRICULUM FOR THE 21ST CENTURY AND PROMOTE STUDENT SUCCESS.



*A Faculty Center was formed in 2008-09 to assist instructors interested in improving their teaching.*

Changes in the world, the evolution of scholarship, the importance of interdisciplinary perspectives, and the pedagogical opportunities provided by instructional technology all motivate the reconceptualization of undergraduate curricula to prepare students for living and working in the 21st century. Stony Brook will create new curricula that respond to this environment.

Curricular development will focus on general education but extend to revamping existing undergraduate majors, creating new ones that incorporate interdisciplinary perspectives, and offering an extensive array of combined baccalaureate/master's degree options. The new general education requirements will be better articulated and easier for students to schedule while providing a more integrated learning experience and more interdisciplinary perspectives.

Undergraduate research, internships, and international opportunities and perspectives will be infused into the curriculum. The further development of undergraduate research and creative activities will include increased opportunities for undergraduates to conduct research locally using the region's natural, social, and archival resources. Capstone courses will be developed to bring students' educational experiences to conclusion with a major project that utilizes the research and communication skills they have learned.

Innovative pedagogy and appropriate facilities and services will support new curricula and strengthen existing programs. Identifying learning outcomes and assessing their achievement will be an important part of the development process.

To increase retention and graduation rates, Stony Brook will implement a comprehensive "admission through graduation" approach to advising, safety nets, and early warning systems for all undergraduate students. Promoting student success will include initiatives ranging from the continuous improvement of campus life and advising and support services, to expanded opportunities for students to locate themselves in small communities including the Undergraduate Colleges, to ensuring student access to high-demand courses, and implementing pedagogical and curricular changes to improve undergraduate instruction. Stony Brook will continue to strengthen both the first-year experience and the academic and advising needs of transfer, upper-division, and international students.

### 2008-09 ACCOMPLISHMENTS

**Curriculum** A subcommittee of the Undergraduate Council of the University Senate was formed to re-examine the undergraduate curriculum with the goal of creating a modern and dynamic learning experience for Stony Brook students.

**Teaching core competencies** A new director of the Writing and Rhetoric Program was hired in fall 2008, and the program was strengthened. WRT 101 was improved so students are better prepared for WRT 102, and special sections of WRT 101 were created for ESL students to give them additional help in learning English. The Writing Center hired specialists in grammar and English as a second language.

New courses were created for the 2009-10 academic year. A new elective, WRT 200: Grammar and Style for Writers, is designed for both students who do not come to Stony Brook with a good foundation in grammar and for those who hope to teach grammar. Discipline-specific electives were added at the 300 level, including Business Writing, Technical Writing, Writing in the Health Professions, and Critical Writing seminars on a variety of topics. All these 300-level courses stress oral communication and presentation as well as writing.

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**Undergraduate research** In 2008-09 enrollment in undergraduate research courses totaled more than 2,500, up from 2,000 five years before. That 25 percent increase was nearly twice the 13 percent growth in undergraduate enrollment in the same period.

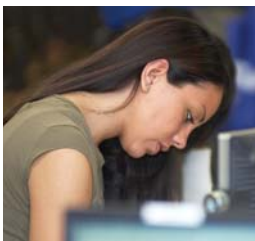
**Internships** In 2008-09 enrollment in credit-bearing internships totaled 1,015, a 17 percent increase over that of 2007-08 and 77 percent more than in 2003-04. In addition, an estimated 300 students completed non-credit internships, about double that of the previous year. Seventeen students enrolled in a new course, EXT 288, created to allow sophomores to have internships on campus; many students obtain internships in New York City. The Career Center began developing an improved tracking system to consistently document internships and other forms of experiential learning, such as service learning projects, that do not carry academic credit.

**Combined baccalaureate/master's programs** In spring 2009 151 students were enrolled in programs combining a baccalaureate and master's degree. Of these, 32 were in MBA Fast Track programs, 57 in programs leading to teacher certification, and 62 in other bachelor/master's combinations.

**Pedagogy and assessment** A Faculty Center was formed in 2008-09 to assist instructors interested in improving their teaching. A director, learning architect, and assessment specialist were hired; redesigned space will open in June 2009. A comprehensive set of more than 50 workshops was delivered in spring 2009 covering pedagogy, academic technology, and assessment, and a Web site was constructed to facilitate instructors' access to useful resources. In March more than 50 faculty attended Stony Brook's first annual educational assessment conference.

*In 2008-09 enrollment in undergraduate research courses totaled more than 2,500, up from 2,000 five years before.*





*Top and bottom: A sophomore-year-experience program was created to build on the Undergraduate Colleges and other programs for freshmen.*

**Promoting student success** A sophomore-year-experience program was developed to build on the Undergraduate Colleges and other programs for freshmen. A biweekly “please be advised” e-mail was sent to sophomores with advising-related news. Advising Center staff reviewed the degree-progress report of every sophomore and followed up with students who appeared to be at risk of academic failure. The Career Center created a Career Decision Clinic to help sophomores select majors in the context of career planning; evaluations show they valued the Clinic highly.

Transfer advising was strengthened with the addition of individual advising appointments for all new transfer students at orientation and a new initiative to ensure they receive continuous advising throughout their first year at Stony Brook. SBU 101 for new transfer students was expanded in spring 2008 to accommodate more students. In 2008-09 27 percent of all new full-time West Campus transfers took the course.

To improve academic advising campuswide, the Academic & Pre-Professional Advising Center created an eight-week Academic Advising Certificate Course that was attended by 75 faculty and professional staff members. The Center’s Web site was expanded to provide more information, including a Faculty Resource Center.

An information technology and disability specialist was added to Disability Support Services, permitting a steady increase in the availability of e-texts and assistive technologies for students with disabilities.

The Stony Brook University chapter of the Student African American Brotherhood National Organization (SAAB) held the first SAAB Northeast Regional Conference in March 2009. More than 250 educators, professionals, and students explored factors that promote the educational success of African American and Latino men.

**Retention and graduation rates** Stony Brook’s freshman one-year retention rate was 88 percent in fall 2008, two percentage points below the 90 percent goal. The six-year graduation rate increased one percentage point to 61 percent, four percentage points short of the 65 percent goal.

**Career preparation** With a new staff member the Career Center expanded career preparation for a population previously not often seen in the Center—students in the arts and humanities—and many more of these students obtained career assistance and internships. Career Services also partnered with the School of Journalism to provide support for journalism students. General career advising was expanded through the addition of career education to all introduction-to-Stony-Brook courses in fall 2008, and the Career Center recruited corporate volunteers to provide 300 hours of free career coaching.



# 10.

## CREATE AN INCREASINGLY VIBRANT AND INCLUSIVE CAMPUS COMMUNITY.

Expanding the student body and enhancing the student experience will require the further development of campus programs and facilities, including residential facilities, classrooms, and laboratories. Key to this effort will be addressing the absence of a college town by creating a campus center with shops and services that serve the campus community and provide a focal point for social life. The center will be designed to meet students' practical needs and leisure choices, and benefit the entire University community. The Recreation Center in design in 2008 will complement these facilities as a center of campus life.

The second focus for developing campus life will be further development of intercollegiate athletics to promote school spirit, provide exciting weekend and evening activities for students, and improve community relations. Stony Brook will elevate football to a fully funded NCAA Division I (FCS) scholarship program and build winning teams, while maintaining an absolute commitment to student-athletes' academic success.

A third focus will be further embracing as members of the extended campus community Stony Brook's growing alumni population, 129,000 members strong in 2007. Key to this effort will be creating an Alumni Center to maintain alumni contacts; coordinate alumni activities on and off campus; and provide a location for current students, faculty, and staff to meet with alumni.

In addition to these primary initiatives, Stony Brook will continue efforts to enhance campus life and the integration of students, faculty, and staff into an inclusive and caring campus community, and ensure their safety. Programs will accelerate the socialization of new students during student recruitment, summer orientation and registration, the opening of school, and the early weeks of the semester to teach newcomers about campus traditions, rituals, and ways of doing things. Communication among all members of the campus will be enhanced through the use of information technology and other means. A campus hotel will provide convenient and welcoming accommodations for campus events and visitors.

*Wearing of the red:  
Stony Brook fans show  
their swagger at  
sporting events.*



## 2008-09 ACCOMPLISHMENTS

**Recreation Center** Design for the Campus Recreation Center is nearing completion. The New York State legislature appropriated \$19.5 million for this project in 2006 and \$19 million in 2008. The 85,000-square-foot facility is planned to include three basketball courts; an arena for indoor soccer, roller hockey, and lacrosse; and a 1/10th-mile track. Fitness space will accommodate classes such as spinning, dance, and aerobics, and the Center will offer expanded opportunities for intramural programming and club sport competition.

**Athletics 2008-09** was an athletics and academic success for Stony Brook's 425 student-athletes. Following the fall semester, they had achieved a program-best 3.06 overall grade point average while producing a record 56 America East Academic Honor Roll selections. Stony Brook won an America East title in women's cross country; participated in two NCAA National Championships in women's cross country and women's indoor track and field; earned numerous all-conference selections including Goalkeeper of the Year and Rookie of the Year in women's soccer, and Coaching Staff of the Year in women's cross country, men's tennis, and softball; and earned the Big South Conference Football Rookie of the Year and Sporting News National Freshman of the Year awards. As the spring season neared completion, the men's lacrosse team played in the America East Conference Championship game and finished 20th in the final national polls; the softball team won the regular season title and was playing in the conference championships as the No. 1 seed and host institution.

**Campus activities** A one-month sampler of events for April 2009 includes Earthstock; the Wang Center Cherry Blossom Festival; lacrosse, baseball, and softball games; the Stony Brook Idol Finale; Stony Brook Strongest Bench Press Competition; a drive-in movie; a car show; a 5K run; a golf tournament; and preparation for the traditional Roth Regatta. A new Weekend Life Programming Grant launched by Student Life in fall 2008 funded more than 70 weekend activities.

Student attendance at the Staller Center nearly tripled in the past three years, owing in part to the "First On Us" program begun in fall 2007, which offers all incoming freshmen a complimentary ticket to a Staller show of their choice. More than 1,600 students took advantage of this offer in 2008-09.

**Communications** A new Stony Brook Web site was launched in fall 2008 to make the University's online presence more attractive and user-friendly. The homepage more prominently promotes campus events, news, and accomplishments, and more than 100 departmental sites were redesigned to create a coherent appearance. Digital signage to publicize University events and disseminate important announcements was designed and tested in preparation for installation in 2009.

**Engagement and pride** Visible campus engagement was promoted through a "Red Fridays" campaign encouraging all members of the campus community to wear red. Stony Brook gear was further marketed with a new online superstore—ShopSB.com—Red Fridays discounts, and a Smithhaven Mall kiosk showcasing Stony Brook items during the holiday season.

Wolfie joined Facebook, YouTube, and Twitter, and participated in events from Madison Square Garden to the Rocky Point St. Patrick's Day parade. Posters and banners were created inviting the campus community to "Show Your Swagger" by wearing red on Fridays, and the football schedule was promoted with Wolfie and President Kenny telling all to "Get Your Game Face On!" An official Stony Brook YouTube channel was created to feature campus activities and accomplishments.



*Top: The design for the Campus Recreation Center (rendering shown) is nearing completion.*

*Bottom: Wolfie participates in events that take place across Long Island and in New York City.*



*The Spirit of Stony Brook Marching Band performs at major University and community events.*

Stony Brook bands—including the Spirit of Stony Brook Marching Band, the color guard, and the pep band—grew to 110 members and played an increased role in promoting campus spirit. The bands played at all home football games, at men’s and women’s basketball games, and at the American East Basketball Tournament. The Marching Band also performed at major university events including the New Student Convocation, Homecoming Parade, Stony Brook Southampton Windmill Lighting ceremony, Earthstock, and the Stars of Stony Brook Gala. The band also performed at community events such as the Three Village Holiday Parade.

**Inclusive environment** The “Stony Brook Safe Space” program was established in fall 2008 to ensure that the campus is an inclusive community for lesbian, gay, bisexual, transgender, queer and questioning (LGBTQ) people by fostering a supportive learning and working environment. A train-the-trainer program was developed, and more than 50 people participated.

The Office of Diversity and Affirmative Action sponsored 18 “Dialogues Across Differences” programs in ten departments, including guest lectures, symposia, workshops, and exhibitions. The School of Health Technology and Management’s Diversity Committee sponsored bimonthly workshops and activities for faculty, staff, and students.

Work began on a consolidated Web site for campus employee affinity groups such as the Black Faculty Staff Association (BFSA), Union Universitaria Latinoamericana (UUL), and Asian American Faculty Staff Network and Pride. The site will provide a visible and readily accessible repository of resources and documents for each affinity group. Implementation is expected by summer 2009.

**Alumni** On March 20, 2008, Stony Brook opened a new Alumni Center on the fourth floor of the Charles B. Wang Center. The reconstructed space enables the University and Alumni Association to welcome alumni back to campus with even greater pride. The flexible, multiuse space can host expanded alumni gatherings and is suitable for receptions, dinners, lectures, and board and committee meetings. When not in use for alumni purposes, the space will be available for other University functions.

To further engage more of Stony Brook's 135,000 alumni in the campus community, the Alumni Association adopted open, dues-free membership for all alumni. The Association and University Advancement published a new alumni directory—*Alumni Today*—including biographical updates for tens of thousands of alumni, launched an increasingly popular Stony Brook alumni page on Facebook, strengthened alumni interest groups and regional chapters/networks, and ushered in the return of reunion activities as part of Homecoming Weekend. The Association also inaugurated a new Stony Brook Commencement tradition, presenting all graduates with a commemorative medal in honor of their special achievements and welcoming them to their new alumni community.

**Safety** An outdoor warning siren was installed on the West Campus, and the fire alarm panels in many buildings were upgraded to provide broadcast capability allowing emergency responders to instruct occupants throughout the building. The University Police will soon be able to communicate directly and simultaneously to all these buildings through a single microphone. To improve emergency-notification procedures further, a self-service facility was added to the SOLAR System enabling all campus users to record telephone, e-mail, and text-message contact information for emergency notification. More than 22,000 campus users have entered information. The safety Web site ([stonybrook.edu/sb/safety.shtml](http://stonybrook.edu/sb/safety.shtml)) was upgraded to explain these enhancements and to provide more links to internal and external resources.

A residence hall safety and security project was completed in fall 2008. Electronic monitoring was built into all exterior doors, camera surveillance was installed in key areas, and security patrols were added in the inner quads during the overnight period. These and other measures contributed to a 50 percent decrease in the incidence of propped-open exterior doors in the 2008-09 academic year.

The Center for Prevention and Outreach received the Most Innovative Program Award from the Long Island Council of Student Personnel Administrators for its outreach efforts with depression screening; a NASPA Silver Medal for Excellence in the Health, Mental Health, and Wellness category; and a \$270,000 Substance Abuse and Mental Health Services Administration grant to expand suicide prevention work among Asian American students. Prevention and early intervention initiatives launched by the Center in the past two years include offering in-person and online programs to teach faculty and staff to recognize and respond to student distress and disruption, and training peer educators to screen students for depression and alcohol use and distribute information about the resources available to students.

**Red Watch Band program** Stony Brook created this innovative program to promote a culture of caring among college students and to prevent deaths from "toxic drinking." The program includes educating students about the seriousness of alcohol overuse and the importance of bystander intervention, and providing them practical skills to help others at risk of injury or death from alcohol overdose through CPR certification and training on alcohol emergencies. The program launched at Stony Brook in March 2009 and nearly 100 students were trained. A Web site ([redwatchband.org](http://redwatchband.org)) provides resources to promote the program as a model other campuses can adopt. To date, more than 60 colleges and universities have expressed interest.

**Facility improvements** Renovation of the Javits and Life Sciences plazas was completed. The Math/Physics Plaza and the area in front of the Earth and Space Sciences Building are in design, with construction scheduled to start in June 2010. Other 2008-09 projects included cafeteria renovations, laboratory rehabilitations, roof replacements, elevator repairs, garage and surface parking upgrades, roadway and bike path repairs, and campuswide utility replacements.



*Top: Stony Brook students created the Red Watch Band program as a way to prevent deaths from "toxic drinking" on college campuses.*

*Bottom: Renovation of the Javits Plaza is complete.*

# 11.

## SUPPORT SUSTAINABILITY THROUGH A GREEN-CAMPUS INITIATIVE.

Stony Brook will build an eco-literate community that contributes to a sustainable future. Building on existing programs and the collaborative efforts of students, faculty, and staff, the University will continue to improve campus resource use and find new ways to limit its ecological impact while educating all members of the campus community about sustainable practices. These initiatives will help Long Island meet the environmental challenges of the 21st century and prepare students for them.

Energy-saving initiatives will include increasing awareness of energy and resource conservation with the creation of an energy management Web site to communicate campus efforts in this area, evaluating the use of renewable energy at all Stony Brook campuses, initiating energy conservation measures through collaboration with students and faculty, establishing policies on temperature standards, eliminating the use of electric heaters where practical, and implementing a green computing policy.

The use of sustainable practices in maintenance and construction activities will include expanding the use of green cleaning products, designing and constructing new buildings or rehabilitating existing ones using LEED criteria, evaluating the use of high-efficiency plumbing fixtures, expanding the current construction debris recycling program, and evaluating the implementation of effective storm- and grey-water management systems.

Recycling initiatives will include expanding paper and container recycling in the residence halls, evaluating the feasibility of bringing recycling and composting practices to many food service locations, implementing a “yard sale” program to recycle discarded furnishings, and installing additional recycled recyclers to increase participation.

Eco-literacy and environmentally sound practices will be promoted by the creation of an environmental stewardship Web site to communicate and promote sustainability efforts, and a sustainability task force made up of staff, students, and faculty.

*Material generated by a newly installed composter in Roth Cafeteria will be used in the greenhouse and organic garden at Stony Brook Southampton.*



## 2008-09 ACCOMPLISHMENTS

**Decreased reliance on fossil fuels** Installation of upgraded systems and equipment continued to increase energy efficiency. 2008-09 projects included the replacement of high-temperature hot water lines throughout the campus, new air handlers in the Health Sciences Center, and new mechanical controls in Heavy Engineering and the Wang Center. Stony Brook's first solar roof panels were installed—a 10-kv system on Building 17 in the Research and Development Park. To fulfill an obligation of the American College & University Presidents Climate Commitment, a campus greenhouse gas inventory was completed and reported on the AASHE (Association for the Advancement of Sustainability in Higher Education) Web site.

A sustainability Web site was created and linked from the Stony Brook home page. Electrical consumption in 30 buildings can be viewed on this site. An Energy Conservation Task Force was formed to work on communication, policy development, encouraging energy reduction competitions, and lowering equipment energy use.

**Sustainable practice in construction and maintenance** A program was initiated to recycle ceiling tiles removed during construction, and the possibility of recycling carpet is under investigation. When Southampton's Avram Theater was renovated, all parts of the used theater seating were recycled. Operation of the greenhouse at Southampton became more environmentally sound with the installation of a storm-water collection system to provide water for the plants. The material generated by a newly installed composter in Roth Cafeteria will be used in the greenhouse and organic garden at Southampton.

**Recycling** Stony Brook recycled 88,000 tons in 2007-08 and will do about the same in 2008-09. Additional three-compartment recycled recycler containers were installed in high-traffic areas, and a new rear-packer truck will be delivered in August 2009 to support the more efficient collection of recyclable items. In winter 2009 Stony Brook participated in the RecycleMania competition with other campuses. More than 533,040 pounds were recycled, placing Stony Brook 16th out of 293 schools against which it competed. Internal recycling competitions among residential buildings also encouraged recycling; the Move-Out program recycles a significant portion of the material students leave behind. In fall 2008 most takeout containers and disposable utensils used in West Campus and Southampton food service were switched to compostable or biodegradable items.

**Purchase of recycled materials** Switching the campus to 100 percent use of post-consumer recycled copy paper was evaluated but deemed too expensive to implement. The search for viable options to use recycled materials is ongoing.

**Promote environmentally sound practices** The Sustainability Task Force launched a Sustainability Stony Brook newsletter in February 2009 to update the campus community on campus sustainability projects and encourage environmentally sound behaviors. Earthstock 2009 educated the campus and local community about issues related to sustainability with 29 programs over eight days.

**Environmental stewardship in Stony Brook University Medical Center** In both 2008 and 2009 Stony Brook University Medical Center received the Practice Greenhealth Partner for Change Award, which recognizes health care facilities that continuously improve their mercury elimination, waste reduction, and pollution prevention programs. The Medical Center is working on a five-year plan to manage green initiatives. Projects include a Health Care Without Harm PVC and DEHP Pledge to reduce further the already very restricted use of these materials, a King/Queen of Green program to recognize staff members who develop environmental initiatives, creation of an environmental protection Web site, a green linen program, an anti-litter program, a reusable water bottle promotion, expanded recycling, pesticide-free grounds, and experimental use of microfiber mops.



*Top: Stony Brook participated in the RecycleMania competition with other campuses.*

*Bottom: In fall 2008 most takeout containers and disposable utensils used in West Campus and Southampton food service were switched to compostable or biodegradable items.*

# 12.

## EXTEND INTERNATIONAL CURRICULA AND CONNECTIONS.



*Top: The mobile health and hygiene team in Madagascar expanded to serve 15 villages around Ranomafana.*

*Bottom: The Stony Brook fall semester in Madagascar hosted 26 students from the U.S. and Madagascar.*

To participate fully in the global economy and society, Stony Brook will strengthen international programs through faculty recruitment; increased international research collaboration; international partnerships with universities, agencies, and businesses; enhanced study abroad programs; and curriculum development. More international students will be recruited to Stony Brook. More Stony Brook students will study abroad, take part in exchange programs, and complete international internships. The International Academic Programs Office will To participate fully in the global economy and society, Stony Brook will strengthen international programs through faculty recruitment; increased international research collaboration; international partnerships with universities, agencies, and businesses; enhanced study abroad programs; and curriculum development. More international students will be recruited to Stony Brook. More Stony Brook students will study abroad, take part in exchange programs, and complete international internships. The International Academic Programs office will assume a more prominent role in promoting international educational experiences and incorporating international perspectives in teaching and research. The recruitment and support of faculty with expertise in contemporary international issues will bolster these initiatives.

Undergraduate curriculum development will include both programs that prepare students for careers in international work environments and, in the general education curriculum, courses that prepare students to live in a global community and work in a global economy. Stony Brook's proximity to the United Nations can provide special opportunities to develop these programs.

Stony Brook will focus international research and development programs in Africa, building on current programs in Kenya, Madagascar, and Tanzania. Africa's natural and paleontological resources provide exceptional research opportunities, and Stony Brook's current service initiatives—in health care, education, environmental protection, and economic development—offer a model for further expansion.

### 2008-09 ACCOMPLISHMENTS

**Study abroad, exchange programs, internships, and recruitment** New study abroad programs were established in China in cooperation with the Schools of Journalism and Business, and additional Student Exchange agreements were signed with universities in Asia, Australia, and Europe. An undergraduate study/research site was established in Florence; sites in Kenya and Madagascar are in development. Undergraduate Admissions expanded the staff and resources committed to international recruitment to support new strategies and initiatives outside Stony Brook's traditional recruitment area in Asia.

The Career Center partnered with the Department of Asian and Asian American Studies to help students find international internships and jobs. A Japanese staffing agency based in New York City sent staff to Stony Brook weekly to inform students who speak Japanese about the job search process, employer expectations, and interviewing protocol. A representative of the JET (Japanese Exchange and Teaching) Programme spoke to students about teaching positions in Japan, and students attended job fairs in New York City and Boston. Several received internship offers in Japan.

**International research collaboration** Joint research projects with Tongji University in Shanghai and the University of Venice, Italy, are in development.

**Madagascar** In Ranomafana National Park (RNP) the Centre ValBio Research Station completed another successful year, with more than 100 researchers studying the rain forest and its wildlife. For example, the NSF awarded a three-year grant to Stony Brook anthropologists Patricia Wright and Jukka Jernvall to study lemur

senescence in the wild. In September a team from Conservation International and the Smithsonian Institution made a site visit to establish long-term biodiversity monitoring programs. The Gordon and Betty Moore Foundation approved funding RNP as a TEAM (Tropical Ecosystem Assessment and Monitoring) site with a five-year renewable grant beginning in January 2009. NSF facilities funding was obtained to continue construction of laboratory and dormitory facilities; a four-story building should be operational by 2010. The Stony Brook fall semester in Madagascar hosted 26 students from the U.S. and Madagascar, including five who presented research results at Stony Brook's Undergraduate Research exhibition in April 2009.

Despite political turmoil in the capital in early 2009, Centre ValBio remained fully operational, with staff including 70 trained people from the local region. The mobile health and hygiene team expanded to serve 15 villages around Ranomafana, up from nine, and the Conservation Clubs for Young Naturalists expanded from ten to 15. The conservation education program continued in nine village schools, and 8,000 trees were distributed to the families of schoolchildren for reforestation. The Village Elders Association, with traditional healers and kings from 57 villages, continued to market herb plants to the botanicals company Homeopharma in Antananarivo. High-speed Internet facilities were set up in Ranomafana village for researchers, local businesses, and local residents.

**Turkana Basin, Kenya** Development of the Turkana Basin Institute continued. The research field station at Ileret was completed and hosted a major international conference bringing together, for the first time, the head of every active research project in the Turkana Basin. The second field station, on the west side of the lake, will be fully operational in the summer of 2009, with accommodation for 30 students for study abroad and other field-research programs. Next year the Institute will host a major international workshop in conjunction with the 50th anniversary of the discovery of the first East African australopithecine.

In spring 2008 a team representing all five Health Sciences Center schools visited the Turkana Basin region to assess health care needs and opportunities for Stony Brook to address those needs and develop education and research programs in international health. Planning has begun for a program that will include public health and education, construction of a hospital and student accommodations, and the use of Internet technology to support diagnosis, treatment, and record keeping. The Stony Brook team will extend its work to the nearby town of Meru, which is home to more than 700 orphans and 200 street children. Meru is representative of rural towns in Africa and can serve as a model for implementing and evaluating educational and health care programs.

**Branch campus in Korea** Stony Brook was invited by the Republic of Korea to open a branch campus in the Songdo region of the City of Incheon, and planning has begun for a campus of approximately 1,500 students to open in fall 2011 with programs in engineering, business, and technology. Songdo is part of the Incheon Free Economic Zone (IFEZ), which will include an international academic and research district containing high-tech satellite campuses of leading Korean universities and a global university campus of international branch campuses. In December 2008 Stony Brook became the first U.S. university to sign a Fund Support Agreement with IFEZ, committing the Korean government to providing planning funds.



*The research field station at Ileret in the Turkana Basin was completed and hosted a major international conference.*

