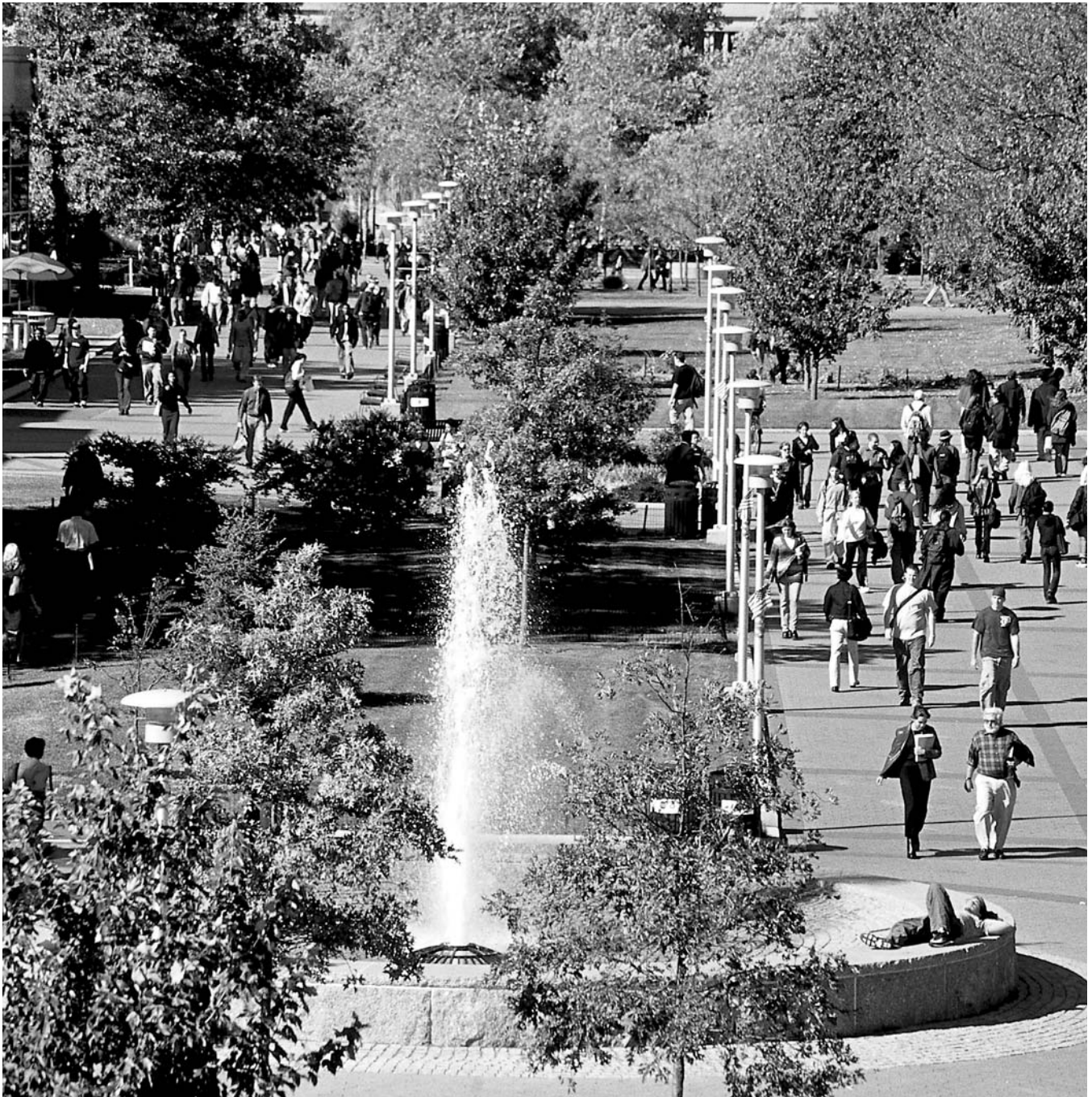




An Introduction to Stony Brook



Stony Brook Soars: An Overview

Located on Long Island's North Shore, Stony Brook is a 1,600-acre universe in which world-renowned faculty have created a stimulating, highly interactive environment for graduate studies. With the collaborative, interdisciplinary atmosphere of the departments, outstanding faculty, and a dedication to providing students with a variety of opportunities for research, the Graduate School offers students a well-rounded education that fully enables them to excel in whatever career path they choose.

Stony Brook University was established in 1957 as a college for the preparation of secondary school teachers of mathematics and science; the first campus was located at Oyster Bay, Long Island, on the grounds of a former Gold Coast estate. In 1962, a new campus was built in Stony Brook, on land donated by local philanthropist Ward Melville. Part of the State University of New York system, Stony Brook now encompasses 222 buildings on 1,600 acres. In the 50 years since its founding, the University has grown tremendously, and is now recognized as one of the nation's important centers of learning and scholarship, and has been designated one of two flagship universities in the New York State university system.

Stony Brook ranks in the top 2 percent of all universities in the world. The *London Times Higher Education Supplement* placed Stony Brook 136th among more than 8,300 universities worldwide, and in the top 50 in North America. Among science universities, Stony Brook ranks in the top 100 in the world, top 25 in North America, and top 10 among public universities. Stony Brook has been ranked among the top 100 national universities in America and among the top 50 public national universities in the country by *U.S. News & World Report*.

Stony Brook is a member of the prestigious Association of American Universities, the invitation-only organization of the best research universities in North America. The University has been listed as one of the "100 Best Values in Higher Education" among public universities, according to *Kiplinger's Personal Finance* magazine.

Ten doctoral programs are ranked in the top 40 nationwide, with two in the top ten and four in the top 20. Stony

Brook is one of ten universities given a National Science Foundation recognition award for integrating research and education.

Research expenditures at Stony Brook were \$184 million in 2007, the most federal dollars of any institution in SUNY. With 710 patents worldwide during the past 10 years, Stony Brook has reaped some \$137 million in royalties.

Emphasis on Research

Stony Brook faculty are among the top in their fields. The commitment to both research and excellence has led to many groundbreaking discoveries, such as the development of ReoPro®, recommended for all cardiac angioplasties; the cause of and a new early-diagnostic test for Lyme disease; discovery of the link between smoking and emphysema; construction of the first nuclear magnetic resonance image of a living organism; invention of an ultrasound method to speed up the healing of bone fractures; identification and cataloging of 328 distant galaxies; technologies for 3-D computer visualization; and the discovery of the link between birds and dinosaurs.

Stony Brook's partnership with government and industry plays a vital role in the economy of the metropolitan region. New York State has invested \$50 million in Stony Brook's planned Center of Excellence in Wireless and Information Technology. Tens of millions of dollars in anticipated federal funding will make the Center a quarter-of-a-billion dollar effort to place New York at the forefront in the next epoch of the information revolution.

Stony Brook is the only public university with two National Science Foundation Materials, Science, and Engineering Research Centers, in the fields of polymer interfaces and thermal spray high-performance coatings. The study of plastics translates to engineering careers for graduates and real-world solutions for local and national business communities.

Stony Brook co-manages Brookhaven National Laboratory in partnership with Battelle Memorial Institute, joining an elite group of universities that run federal laboratories. Located near campus, the lab affords faculty and students a unique opportunity to work among scientists from around the world. Also nearby is the world-famous Cold Spring Harbor Laboratory, where Stony Brook researchers and students collaborate with scientists from other institutions.

The University has state-of-the-art equipment, including an IBM Blue Gene supercomputer, located at Brookhaven Lab; spectroscopy labs; imaging facilities; the Van de Graaf Nuclear Accelerator; and much more. Additional research units right on campus include Stony Brook's innovative Centers for Molecular Medicine and Biology Learning Laboratories; School of Marine and Atmospheric Sciences; Stony Brook University Cancer Center; Heart Center; Ambulatory Surgery Center; Institute for Theoretical Physics; and the High Technology Incubator, among others. The Frank Melville Jr. Memorial Library, with more than 2.2 million books and 3.8 million publications in microformat, is one of the largest academic libraries in the nation.

Living in Stony Brook

The University is located in mid-Suffolk County, about 60 miles east of New York City—one of the most desirable places to live on the East Coast. The campus is nestled amid scenic towns and wooded areas, with the Long Island Sound just minutes away to the north, and the white sandy beaches of the Atlantic Ocean a 45-minute drive to the south. Nearby is the historic village of Stony Brook, with its breathtaking harbor views, quaint shops, and picturesque cottages. In town are the Museums at Stony Brook, the largest privately funded history and art museum on Long Island, the landmark Three Village Inn (circa 1751), and the Stony Brook Grist Mill, which dates back to 1699 and is open to the public for tours. The conveniences of the modern world are at hand as well—Stony Brook and nearby Port Jefferson, Lake Grove, and Smithtown boast every shop imaginable, from specialty to superstore. For those with children, the University has on-site daycare services and proximity to the highly regarded Three Village School District.

Stony Brook has become a leisure-time resource to Long Island residents. The Staller Center for the Arts features productions by world-class artists in a Broadway-caliber theatre; a first-run cinema utilizing Suffolk County's largest screen; an art gallery that sponsors exhibitions by faculty, students, and artists of the region; and its popular Summer Film Festival, including indie features making their premiere.

For sports and fitness enthusiasts, the University has a 5,000-seat indoor Sports Complex and a 8,300-seat outdoor athletic stadium for Stony Brook's Division I teams. The Student Activities Center houses the Wellness Center, run by the Department of Campus Recreation, which offers a variety of fitness classes and the use of state-of-the-art equipment.

Off campus, you can attend art openings in the Hamptons and view independent films at the Cinema Arts Center in Huntington village. The many restaurants in Port Jefferson have fresh seafood, and you can take a ferry ride across the Sound from Port Jefferson to Bridgeport, Connecticut. For a relaxing weekend drive, you can visit the wineries, orchards, and farmlands sprawled across Long Island's scenic East End.

The region is a naturalist's dream. On campus is the 26-acre Ashley Schiff Nature Preserve. To the east lie thousands of acres of pine barrens preserved from development. Long Island's hundreds of miles of coastline attract many swimming, boating, and fishing enthusiasts from around the world.

Life at Stony Brook has something for everyone. There is the tranquil pace of the surrounding community, with its winding roads and gracious homes. At the same time, there are the cutting-edge resources and the abundant culture of the University itself. And easily accessible by car or train is the excitement of Manhattan.

At Stony Brook, diversity is a necessity for intellectual excellence. Since a third of the graduate enrollees are African-American, Latino, Native American, and international students, Stony Brook is a place where cultures converge for the mutual enrichment of all.

The Campus

The fountain at the center of the six-acre Academic Mall is a focal point for social activity. Surrounding the fountain are lawns, shrubs, gardens, trees, and a brook that cascades down steps leading to the campus' main entrance. A nature preserve, six miles of bicycle paths, park benches, an apple orchard, and a duck pond are interspersed among the spacious plazas, modern laboratories, and classroom buildings. Surrounding the Frank Melville Jr. Memorial Library at the center of the campus are the academic buildings for the Colleges of Arts and Sciences and Engineering

and Applied Sciences, the Van de Graaf nuclear accelerator, the Administration Building, Jacob K. Javits Lecture Center, Computer Science Building, Educational Communications Center, Computing Center, Stony Brook Union, Sports Complex, Student Activities Center, and other service and activities buildings. In front of the Staller Center for the Arts is an outdoor plaza in which concerts and gatherings are held. Adjacent to Staller is the Charles B. Wang Center, a 120,000-square-foot conference facility and venue for cultural, professional, and educational events. The Center also has Asian food, sprawling gardens, pools, and terraces.

On the East Campus, the Health Sciences Center houses academic and support areas for five professional schools and University Hospital, which opened in 1980. There is the 350-bed Long Island State Veterans Home, which opened its doors in 1991; the Long Island High Technology Incubator, which opened in 1992 and houses start-up companies in biotechnology and other high-tech fields; the new Ambulatory Surgery Center, a spacious, state-of-the-art facility designed to create a stress-free outpatient surgery experience for adult and pediatric patients; the Heart Center, performing 500 heart operations annually; and the new Cancer Center, offering the only comprehensive cancer program backed by University-based research.

Encircling the academic buildings are the residential quadrangles, which are the basic social units for on-campus students, providing residence halls, dining rooms, and a range of student-sponsored enterprises and social facilities. A complex of one-, two-, and three-bedroom apartments that houses married and graduate students is located near the Health Sciences Center. Additional graduate student residences are located on the West Campus.

On the south campus, beyond the nature preserve and linked by shuttle bus to the rest of the campus, are 11 buildings housing the School of Marine and Atmospheric Sciences and the School of Dental Medicine.

In fall 2007, Stony Brook Southampton, located on Long Island's east end, opened its doors. Classes at Stony Brook Southampton are centered around environmental sustainability, public policy, and natural resource management.

Stony Brook's Manhattan facility, located at 401 Park Avenue South, is designed to accommodate special undergraduate, graduate, and non-credit courses, plus seminars, internships, and events. It has 11 classrooms, two conference rooms, faculty office space, and an open area for lectures, receptions, and conferences.

Students

Stony Brook's enrollment is 23,354 students. Graduate students number 7,829 while undergraduate students number 15,525. The Health Sciences Center provides undergraduate and graduate education to 2,500 students in medicine and health professions. Graduate students come from most states in the nation and from many countries around the world.

Stony Brook is committed to ensuring educational opportunity at the undergraduate, graduate, and professional levels to students from groups that historically have not been equally represented in higher education. The University recognizes its responsibility to develop leaders among these groups and values the contribution to the educational environment made by a diverse student population.

Faculty

The vast majority of Stony Brook's faculty members hold doctoral degrees, and 90 percent or more are engaged in active research leading to publication, much of it supported by external grants and contracts. The faculty-student ratio is about one faculty member for every 14 students.

Eminent faculty members include Einstein and Distinguished Professor Emeritus C.N. Yang, Nobel Laureate in Physics; John Milnor, Distinguished Professor and holder of the Fields Medal, Director of the Institute for Mathematical Sciences; Gail Mandel, Howard Hughes Medical Institute Investigator and Distinguished Professor in Neuroscience; University Professor John H. Marburger in Physics and Electrical Engineering, former president of Stony Brook and currently President Bush's National Science Advisor; and Artists-in-Residence in Music, the Emerson String Quartet and Ani Kavafian.

Distinguished Professors

John Fleagle in Anatomy; James Glimm in Applied Mathematics and Statistics, also recipient of the 2002 National Medal of Science; William Lennarz and Rolf

Sternglanz in Biochemistry and Cell Biology; Clinton Rubin in Biomedical Engineering/Biotechnology; Benjamin Chu and Iwao Ojima in Chemistry; Barry McCoy, George Sterman, and Peter van Nieuwenhuizen in the C.N. Yang Institute for Theoretical Physics; Arie Kaufman in Computer Science; Lorne M. Golub in Dental Medicine; Douglas Futuyma, Jeffrey Levinton, and James Rohlf in Ecology and Evolution; Gregory Belenky, Serge Luryi, and Armen Zemanian in Electrical and Computer Engineering; E. Ann Kaplan in English; Donald Weidner in Geosciences; Herman Lebovics in History; Robert Aller and Cindy Lee in the Marine Sciences Research Center; Miriam Rafailovich in Materials Science and Engineering; H. Blaine Lawson Jr., Dusa McDuff, John Milnor, and Dennis Sullivan in Mathematics; Fu-Pen Chiang in Mechanical Engineering; Sami Said in Medicine; Eckard Wimmer in Molecular Genetics and Microbiology; Gilbert Kalish in Music; Lorne Mendell in Neuroscience; Israel Kleinberg in Oral Biology and Pathology; Arthur P. Grollman in Pharmacological Sciences; Edward Casey, Richard Howard, and Don Ihde in Philosophy; Gerald E. Brown, Janos Kirz, Konstantin K. Likharev, Edward Shuryak, Philip Solomon, and Gene Sprouse in Physics and Astronomy; Stuart McLaughlin in Physiology and Biophysics; Mark Schneider and Jeffrey Segal in Political Science; M. Christina Leske in Preventive Medicine; Arthur A. Stone in Psychiatry; and Marvin Goldfried and K. Daniel O'Leary in Psychology; Nicholas Fisher in School of Marine and Atmospheric Sciences; Stephen Cole in Sociology.

Distinguished Professors Emeriti

Paul Poppers in Anesthesiology; Jacob Bigeleisen and George Stell in Chemistry; Louis Ripa in Children's Dentistry; Theodosios Pavlidis in Computer Science; Robert Sokal in Ecology and Evolution; Louis Simpson in English; Donald Lindsley in Geosciences; Joel Rosenthal in History; Robert Cess in the Marine Sciences Research Center; Herbert Herman in Materials Science and Engineering; Charles Rosen in Music; Seymour Cohen and Edward Reich in Pharmacological Sciences; Paul Grannis in Physics and Astronomy; William Van der Kloot in Physiology and Biophysics; Milton Lodge in Political Science; Howard Rachlin in Psychology;

Morton Meyers in Radiology; and John Gagnon in Sociology.

Distinguished Teaching Professors

Jack Stern in Anatomical Sciences; Alan Tucker in Applied Mathematics and Statistics; Robert C. Kerber in Chemistry; Fred Ferguson in Children's Dentistry; H. Barry Waldman in General Dentistry; Michael Barnhart in History; Patrick Grim and Helen Rodnite Lemay in Philosophy; Thomas Hemmick and Harold Metcalf in Physics and Astronomy; Norman Goodman in Sociology; and Jonathan F. Levy in Theatre Arts.

Distinguished Teaching Professors Emeriti

Elof Carlson in Biochemistry and Cell Biology; Homer Goldberg and Rose Zimbardo in English; Barbara Elling in Germanic and Slavic Languages and Literatures; Judith Tanur in Sociology; and Thomas Liao and John Truxal in Technology and Society

Distinguished Service Professors

David W. Krause in Anatomical Sciences; Mario Mignone in European Languages and Cultures; Gilbert Hanson and Robert Liebermann in Geosciences; Malcolm Bowman in the Marine Sciences Research Center; Barry S. Collier in Medicine and Pathology; Richard Fine in Pediatrics; Vincent Iacono in Periodontics; Peter Paul in Physics and Astronomy; Dorothy Lane and M. Christina Leske in Preventive Medicine; Said Arjomand and Norman Goodman in Sociology; and David Ferguson and Lester Paldy in Technology and Society

Distinguished Service Professors Emeriti

Velio Marsocci in Electrical Engineering; Robert Cess in the Marine Sciences Research Center; J.R. Schubel, former Dean and Director of the Marine Sciences Research Center; Irwin Kra in Mathematics; Stanley Alexander in Medicine; Sidney Gelber in Philosophy; Eli Seifman, Social Sciences Interdisciplinary and Director Emeritus of the Center for Excellence and Innovation in Education.

Degree Opportunities

Graduate study is offered in more than 40 different graduate studies areas as well as in the five schools of the Health Sciences Center and the School of Professional Development. The doctoral degree is offered in 40 areas, the M.A.T.

in 10 areas, the M.A. in 28 areas, and the M.S. in 21 areas. Also offered are a Master of Business Administration, Master of Music degree, a Master of Fine Arts degree, a Master of Philosophy degree, a Doctor of Musical Arts degree, and a Doctor of Arts degree in Foreign Languages. In the Health Sciences Center the M.D. and Ph.D. degrees are offered by the School of Medicine, the D.D.S. by the School of Dental Medicine, the M.S.W. and Ph.D. degrees by the School of Social Welfare, and the M.S. degree by the School of Health Technology and Management and the School of Nursing. At the undergraduate level, many departmental major programs and interdisciplinary programs leading to the B.A., B.S., and B.E. degrees are offered by the College of Arts and Sciences, the College of Engineering and Applied Sciences, and the Health Sciences Center.

Academic Units

College of Arts and Sciences

The College of Arts and Sciences consists of the following departments: Africana Studies, Anthropology, Art, Asian and Asian American Studies, Biochemistry and Cell Biology, Chemistry, Comparative Literary and Cultural Studies, Ecology and Evolution, Economics, English, European Languages and Literatures, Geosciences, Hispanic Languages and Literature, History, Linguistics, Mathematics, Music, Neurobiology and Behavior, Philosophy, Physics and Astronomy, Political Science, Psychology, Sociology, and Theatre Arts; and of programs in Women's Studies and Writing and Rhetoric, as well as the Latin American and Caribbean Studies Center, the Language Learning and Research Center, and the Humanities Institute.

In the biological sciences, the Ph.D. degree is offered in Cellular and Developmental Biology, Ecology and Evolution, Genetics, Molecular Biology and Biochemistry, and Neuroscience.

English, Hispanic Languages and Literature, Music, and Philosophy offer the Ph.D., as does Comparative Literary and Cultural Studies, within the Ph.D. in English. European Languages offers M.A. degrees in French, Italian, German, and Russian. The Department of Art offers the Ph.D., M.F.A., and M.A. degrees. The Department of Theatre Arts has a

program leading to the M.F.A. and Music offers, in addition to the Ph.D. and the M.A., the D.M.A. and the M.M.

The departments of Anthropology, Chemistry, Geosciences, Economics, History, Mathematics, Physics, and Astronomy, Political Science, Psychology, and Sociology offer Ph.D. and M.A. degrees.

Every graduate program is guided by a director and an executive committee, and establishes its own entrance standards and degree requirements in addition to those of the Graduate School. For detailed descriptions of the programs, consult the individual listings. Inquiries should be addressed to the appropriate graduate director.

The office of the dean of the College of Arts and Sciences is located in the Melville Library, Room E-3320. The phone number is (631) 632-6991.

College of Business

The College of Business offers an M.B.A. degree with concentrations in finance, management, marketing, information systems management, human resources, and health care management. The regular M.B.A. consists of a 60-credit program plus an internship. Students with more than five years of business experience or an advanced degree beyond the bachelors may qualify for the accelerated program, which consists of a 48-credit program.

Courses for the M.B.A. program are held during the day, evening, and Saturday. Most courses are offered on the Stony Brook campus, but a few courses are offered in Manhattan on weekday evenings for the convenience of students who work or live in New York City.

The College also offers its "Stony Brook Fast Track M.B.A. Program," which consists of a combined undergraduate and M.B.A. degree program, typically taken over a five-year period. Students in this program take an undergraduate major outside of the College of Business and take the regular M.B.A. program with courses beginning in the summer before the senior year.

In addition, the College has an Executive M.B.A. program for employees of businesses that contract with Stony Brook. Students in these programs must have at least five years of business experience. Courses for these programs are often held on the employer's premises with tuition paid for by the employer. One such Executive M.B.A.

is exclusively offered for law firm managers, with most courses offered at Stony Brook's Manhattan facility.

The Interim Dean for the College of Business is Joseph W. McDonnell.

College of Engineering and Applied Sciences

The College of Engineering and Applied Sciences consists of seven academic units: The departments of Applied Mathematics and Statistics, Biomedical Engineering, Computer Science, Electrical and Computer Engineering, Materials Science and Engineering, Mechanical Engineering, and Technology and Society. Six of these units offer programs leading to the Master of Science and Doctor of Philosophy degrees; the Department of Technology and Society offers a program leading to the Master of Science degree.

Each department has its own laboratories for teaching and research; in addition, collaborative research programs are carried out utilizing the facilities in the College, as well as in the Health Sciences Center, the College of Arts and Sciences, the Marine Sciences Research Center, Brookhaven National Laboratory, the New York State Center of Excellence in Wireless and Information Technology, the Advanced Energy Research and Technology Center, and several other off-campus national and industrial laboratories. The graduate programs in the College of Engineering and Applied Sciences are designed to train both academically oriented students and those with professional goals in industrial and governmental occupations requiring an advanced degree.

Each academic department/school evaluates candidates for admission to its programs. Prospective applicants should address inquiries directly to the graduate director of the appropriate department.

The Dean of the College of Engineering and Applied Sciences is Yacov Shamash, whose office is located in the Engineering Building, Room 100, (631) 632-8380.

Health Sciences Center

Unleashing the power of medicine through technology has been the catalyst for sweeping changes in health care this decade. Already the discoveries made by Stony Brook's basic and clinical researchers who develop new approaches to treatment, new drugs, and new methods of transplantation have changed the quality of life for Americans.

Stemming from the 1963 mandate of the Muir Report that recommended the creation of new medical, dental, and nursing schools, today the Health Sciences Center (HSC) is composed of five professional schools—Dental Medicine, Health Technology and Management, Medicine, Nursing, and Social Welfare—that offer full-time professional education to nearly 3,000 students and conduct programs in research, service, and continuing education. The M.D. and Ph.D. are offered by the School of Medicine, the D.D.S. by the School of Dental Medicine, the M.S.W. and Ph.D. by the School of Social Welfare, and the M.S. by the School of Health Technology and Management and the School of Nursing. A master's in public health is also offered. Additionally, the Long Island State Veterans Home serves as a teaching center for students from all professions.

More than 2,500 skilled professionals from the Long Island region have voluntary and part-time faculty appointments bringing academic prowess to the HSC's five schools. While teaching a full load of courses per semester, full-time faculty pursue scholarly research and publication, as well as curriculum development and active participation in campus committee activities.

All HSC students, as part of their clinical training or fieldwork, work for a specific time with some of the Long Island health and welfare agencies. The Health Sciences Center also sponsors conferences, workshops, and lectures for the general community.

The HSC schools share instructional space and multidisciplinary laboratories in addition to the support services of the HSC Library and the Collier Learning Center, the Division of Laboratory Animal Resources, Media Services, and the Office of Student Services. The Center also includes a bookstore, bank, and food service area for the convenience of its students and faculty.

As one of the nation's leading academic health centers, the HSC is committed to fulfilling its abiding missions: research-based patient care, education, basic and clinical research, and community service. Using multidisciplinary foci and partnerships that create a synergy among the schools and departments with external resources, the HSC has developed centers of excellence in cancer, heart, neonatology, autism, and molecular medicine, among others. It is developing a comprehensive academic Long

Island Cancer Center that includes broad-based clinical care, as well as clinical, translational, and basic research programs.

In 1998, Stony Brook established an NIH-funded General Clinical Research Center (GCRC), one of only 70 nationwide, which offers the very latest in clinical research and provides a strong infrastructure that enables clinician scientists to conduct extramural-supported research studies. Additionally, the Centers for Molecular Medicine have formalized interdisciplinary collaborations by creating laboratories, some virtual and some real, that extend beyond the traditional departmental boundaries.

The health sciences curricula have been continually refined, strengthened, and expanded to keep pace with the ever-changing health care professions, but still maintain an educational philosophy that emphasizes individualized instruction and development of the complete professional. The Graduate Program in Public Health enables students to combine their career studies with courses or a master's degree in public health. At some time in their studies, many HSC students spend time in the developing global world. Whether it is pursuing a degree in public health that offers several varied concentrations or participating in global health seminars, students are being prepared for the future.

Stony Brook ranks within the top ten in the nation in per capita faculty research among public research universities and has emerged in the top 10 percent in royalty earnings among all universities. According to a survey done by the Association of University Technology Managers, the University placed 12th among the 139 institutions in the country in royalties generated by its scientific discoveries. Its total was higher than that of New York University, Johns Hopkins, and Harvard. The majority of research contributions come from the Health Sciences Center. Two HSC research discoveries, ReoPro®, used in coronary disease treatment, and Periostat®, used in gum disease treatment, were the greatest royalty income generators. The development of the yeast two-hybrid system by School of Medicine faculty has revolutionized the study of protein-protein interactions and is one of the most highly cited technologies in biomedical research.

As the major teaching facility for the educational programs of the Health Sciences Center, University Hospital

serves the health care needs of the nearly three million residents of Long Island and provides training for physicians, nurses, social workers, dentists, and allied health professionals. The HSC, with its 504-bed hospital, its 350-bed nursing home, and a dental care center that provides for 42,000 patients visits a year, represents an extraordinary resource to Long Island. The hospital has been ranked one of the 15 best major teaching hospitals in the U.S. It treats 28,000 inpatients and provides 400,000 outpatient visits each year. Through subspecialties, the School of Medicine's 18 clinical departments offer consultation and care using a full array of specialized diagnostic and treatment techniques. The hospital is the only tertiary care hospital in Suffolk County and serves as the region's "quaternary" hospital, providing services to the region's high-risk medical patients. There are nine intensive care units dedicated to anesthesia, burn, cardiovascular, coronary, neonatal, and transplant patients. The neonatal intensive care unit provides the only tertiary care services for premature and newborn infants in Suffolk County. Utilizing the latest diagnostic and evaluative techniques, the prenatal diagnostic unit—the only American Institute of Ultrasound in Medicine (AIUM) accredited unit on Long Island—identifies potential problems and solutions for high-risk pregnancies.

In addition to being the only academic-based hospital in Suffolk County, University Hospital serves many regional roles. As the designated Regional (Level I) Trauma Center, helicopter and ground transports deliver Suffolk County's most seriously injured and ill patients to the hospital. The seven-bed shock trauma room is specifically designed for treating patients with problems ranging from multiple traumas to cardiogenic shock. University Hospital also serves as the county referral center for all psychiatric emergencies. The hospital is designated as the regional perinatal center and the regional kidney transplant center, and also houses a cardiac diagnostic center, a sleep disorders laboratory, and a Lyme disease center. Adults and children with a variety of chronic conditions such as diabetes, cystic fibrosis, and multiple sclerosis receive specialized care and advanced services.

Detailed information about the professional programs offered by the five schools and the graduate program in public health is contained in the *Health Sciences Center Bulletin*. Since the

Center's training of health professionals requires special academic programming and support services, significant sections of the data contained in the *Graduate Bulletin* are not applicable to the HSC. Exceptions are the Ph.D. programs in Basic Health Sciences, which include Anatomical Sciences, Molecular Microbiology, Oral Biology and Pathology, Pathology, Pharmacological Sciences, Physiology, and Social Welfare.

The *Health Sciences Center Bulletin* can be obtained by contacting the HSC Office of Student Services at (631) 444-2111, or by contacting the office of the dean of a specific school.

School of Marine and Atmospheric Sciences

The School of Marine and Atmospheric Sciences (SoMAS) is the State University of New York's center for marine and atmospheric research, education, and public service. More than 200 graduate and undergraduate students from 16 different nations currently work and study at SoMAS. It offers a Master's and a Ph.D. program in Marine and Atmospheric Sciences, both with tracks in Marine Sciences and Atmospheric Sciences. SoMAS also has advanced certificate programs in Waste Management and Oceanic Science.

The Master's and Ph.D. graduate programs emphasize integrative and interdisciplinary approaches to solving problems in marine sciences. Students may choose to specialize in any one of the research topics currently pursued by SoMAS faculty. Candidates may apply for admission at either the M.S. or Ph.D. level.

The Ph.D. Program in Marine and Atmospheric Sciences Atmospheric track is designed to prepare students to identify and solve problems in atmospheric science. The graduate programs emphasize independent thinking and skills in analytical, numerical, and laboratory techniques to solving problems in weather, climate, and environmental change. It builds on a flexible, interdisciplinary program and prepares students to become effective, independent problem solvers. Students are free to emphasize their own interests in atmospheric science but are expected to acquire a broad base of interdisciplinary knowledge.

Ph.D. students in the Marine track are broadly trained in oceanography. The program is designed to be flexible for a broad range of research specialties in biological, chemical, geological, and phys-

ical aspects of oceanography. There is considerable stress on integrative and interdisciplinary approaches to solving oceanographic problems.

M.S. students in the Atmospheric track receive rigorous training in atmospheric physics, thermodynamics, dynamics, radiative transfer, and their application in one of the areas of weather forecasting, satellite and conventional atmospheric data analysis, numerical modeling, and climate change. The program prepares students to gain strong communication, analytical and computer skills for positions in research, education, management, and environmental protection.

Master's students in the Marine track are provided with a thorough education in physical, biological, chemical, and geological aspects of oceanography, plus rigorous training in scientific communication. Students conduct independent research in a wide variety of research fields and write a dissertation. This program is ideally suited to prepare students for positions in research, management, environmental protection, and resource development. Graduates will have a firm basis for more advanced study and the tools and training needed for effective careers.

The Advanced Graduate Certificate Program in Waste Management, designed for professionals who confront the complex problems of waste management and disposal, provides the educational background necessary to make informed decisions on these often controversial matters. This certificate is especially important for those who consider access to the most current expertise in waste management essential to working effectively in their careers or public service activities. It is structured to meet the immediate demands for waste management solutions and the more long-range goal of promoting the environmental and economic welfare of the region. The program is offered in collaboration with the Waste Reduction and Management Institute, part of SoMAS. This advanced graduate certificate articulates with the Master of Arts in Liberal Studies and the Master of Professional Studies through the School of Professional Development as well as the Master's degree in Marine and Atmospheric Sciences.

The advanced graduate certificate program in Oceanic Science is designed to make the unique resources of SoMAS available to professionals as well as to scholars both within the SUNY system

and at other institutions as well as other professionals. Students admitted to this program complete two full-time semesters (18 credits) of intensive, specialized graduate studies in our core curriculum, or the equivalent, under the supervision of a faculty sponsor. The program is intended to supplement a student's primary educational and professional goals. Qualified students are provided with a broad background in oceanography as well as opportunity for in-depth course work in highly specialized topics.

School of Professional Development

The School of Professional Development (SPD) offers graduate degree and certificate programs designed for working adults. Courses are scheduled in the evenings, on Saturdays, online, and in off-campus locations. Students may enroll on a part-time or full-time basis. Two of the University's three largest part-time graduate programs are offered through SPD: the Master of Arts in Liberal Studies and the post-Master's Advanced Graduate Certificate in Educational Leadership. These programs are available in on-campus or online formats. Students may take some or all of their courses via the Internet, without ever coming to campus. Other SPD programs that have an online option are the Master of Professional Studies and Advanced Graduate Certificates in Human Resource Management and Coaching.

Prospective students can obtain the graduate credential they need to become New York State certified secondary school teachers through SPD's Master of Arts in Teaching (M.A.T.) programs. M.A.T. programs include Biology, Chemistry, Earth Science, English, Spanish, French, German, Italian, Mathematics, Physics, and Social Studies; five-year combined B.A./M.A.T. and B.S./M.A.T. degree programs are also available in the above-named areas.

SPD's Advanced Graduate Certificate programs address the needs of the region as well as emerging professions. These 18- to 21-credit programs can be taken alone, or as part of a master's degree program. Program offerings include those in coaching, educational computing, environmental management, human resource management, information systems management, and operations research.

SPD also has a non-credit Division of Career Development that offers a wide

range of comprehensive courses in business and technology.

For more information or to apply for admission, visit SPD on the Web at www.stonybrook.edu/spd, call (631) 632-7050 (option 3), or write to N-201 Ward Melville Social and Behavioral Sciences Building, Stony Brook University, Stony Brook, NY 11794-4310.

Research

Research and scholarly and creative activity constitute a primary University mission, closely coupled with training, especially at the graduate level. As a SUNY campus, Stony Brook has its sponsored project funds administered under a statewide memorandum of understanding by the Research Foundation of SUNY (RF), a 50-year-old not-for-profit corporation whose local activities are directed by Stony Brook's Vice President for Research acting as RF's campus Operations Manager. The Foundation also provides the flexibility to establish affiliated corporations to facilitate university-industry-government partnerships and accelerate the growth of research opportunities; for Stony Brook these include Brookhaven Science Associates, through which Stony Brook, acting through the RF of SUNY, and Battelle Memorial Institute manage Brookhaven National Laboratory for the U.S. Department of Energy, and Long Island High Technology Incubator, Inc., Long Island's first facility for technology start-ups, ranked first in a recent National Business Incubation Association survey. For the past three years, SUNY has ranked in the top 15 nationally in technology transfer, as measured by licensing revenues received for its technologies, according to the Association of University Technology Managers; the Stony Brook campus is responsible for generating more than 95 percent of those revenues and for 30 to 70 percent of technology transfer activity among SUNY's 64 campuses, including invention disclosures, patents, and licenses.

Stony Brook generates more than \$184 million in annual research activity from external sources across the spectrum of disciplines. More than 2,500 sponsored projects are under way at any given time in the form of organized research, training programs, public service activities, and educational support; some 900 graduate students annually are supported by these projects.

The offices reporting to the Vice President for Research assist researchers through the following major functional activities:

Office of Multidisciplinary Programs: Coordinates the development of multidisciplinary programs or interdisciplinary research and/or training proposals and fosters cross-disciplinary interaction among faculty. This office also maintains an online database of researcher interests and expertise and provides campus-wide access to thousands of funding opportunities that are keyed to match researcher interests.

Office of Sponsored Programs: Coordinates proposal submissions, negotiates contract and grant awards, and accepts and establishes sponsored awards on behalf of the University.

Office of Grants Management: Monitors sponsored award expenditures and cost sharing activity and provides financial accounting and reporting to sponsors and project directors.

Office of Research Compliance: Administers the campus' compliance with laws and regulations dealing with research involving human subjects, laboratory animals, and recombinant DNA; monitors compliance with federal and university requirements regarding conflict of interest relating to sponsored research; and coordinates the investigation of allegations regarding scholarly misconduct.

Office of Technology Licensing: Assists in the preparation of invention disclosures and marketing of such property to the private sector; focuses on issues regarding patents, copyrights, technology transfer, and intellectual property of all kinds. Students are urged to consult this office regarding any agreements involving research activities in which they are named or which they may be asked to execute with external organizations.

Office of Economic Development: Links the academic and research resources of the campus with the economic needs of Long Island and New York State and supports resources related to them.

These offices recognize the importance of research and scholarly and creative effort to the University, the region and State, and society at large, and stand ready to assist and advise faculty and student researchers in the pursuit of these essential activities.

Campus-Community Ties

As the public university center for the metropolitan New York region, Stony Brook plays a major role in the Long Island community. The University is the largest single-site employer on Long Island, with more than 13,500 full- and part-time employees. It is estimated that the University generates approximately \$2.5 billion annually in regional economic impact.

What sets Stony Brook apart from most other institutions of its kind is the University's commitment to support and partner with local businesses. To that end, the University has developed several innovative economic development programs that provide vital assistance to Long Island's growing companies. The University sponsors two State-designated Centers for Advanced Technology—the Sensor Systems CAT and the Center for Biotechnology—which are designed to promote industry growth vital to the state's economic future. Also fueling new economic growth is the University's Long Island High Technology Incubator, where entrepreneurs occupy nearly 200,000 square feet of commercial space and have earned more than \$100 million in annual revenues. A second incubator, founded in cooperation with Computer Associates International Inc., is devoted to software development, making Stony Brook the only SUNY campus with two new business incubators. Faculty and graduate students are encouraged to take their technology to the marketplace and enroll in the Incubator program. The Incubator Web site is at www.lihti.org

The Small Business Development Center at Stony Brook has created or saved 3,000 jobs on Long Island in the past decade, and the Strategic Partnership for Industrial Resurgence has worked with 220 companies on more than 1,150 projects, creating or saving 8,500 jobs. The region's extraordinary profusion of coastal environments is a living laboratory for the School of Marine and Atmospheric Sciences, one of the world's leading centers for coastal oceanography.

University Hospital serves the health-care needs of the residents of Long Island and provides training for physicians, nurses, social workers, dentists, and allied health professionals. Since opening in 1980, the Hospital has utilized the very latest in medical knowledge and technologies to meet the special

needs of its patients. The Hospital offers highly specialized services, using the most sophisticated instrumentation and computerized physiological monitoring systems available.

Through subspecialties, the Departments of Medicine and Surgery offer consultation and care using a full array of specialized diagnostic and treatment techniques. The Hospital consists of 504 beds, of which nine intensive care units are dedicated to anesthesia, burn, cardiovascular, coronary, pediatric, medical, surgical, and transplant patients. It houses the area's only Perinatal Center, providing care to women and infants with complex needs. The Hospital also performs more than 500 cardiac procedures annually, including open heart surgery, and has a new orthopaedic facility with the resources to treat even the most complex skeletal problems.

The Long Island State Veterans Home is a 350-bed nursing home that serves New York State veterans. It is located on the University campus, one-half mile east of University Hospital. The Veterans Home is unique in the United States because it is the first nursing home to be fully integrated into the health care, educational, research, and regional development missions of a major university.

Regional business and civic leaders help guide the Stony Brook Foundation—the University's independently incorporated development arm—and community members with special interests in campus programs participate in the Association for Community-University Cooperation, the Friends of the Staller Center for the Arts, and the University Hospital Auxiliary. In addition to the University's many degree programs, there are broad opportunities for credit-bearing and noncredit instruction for individuals pursuing specific, limited objectives or seeking personal enrichment.

In addition to its function as Long Island's major research university and source of advanced and specialized instruction, Stony Brook provides a social and cultural center, a specialized referral center for health care, recreational opportunities, and a broad range of other services for individuals and groups in the public and private sectors. Several hundred concerts, lectures,

films, theatre productions, art exhibits, and sports events on the campus are open to the public each semester, many at no charge. It is estimated that several hundred thousand people attend these events annually or visit the campus to take advantage of other facilities and services.

Staller Center for the Arts

Stony Brook University's Staller Center presents the most comprehensive program of cultural arts on Long Island. Staller Center is the only arts facility to offer professional music, dance, theatre, fine art, and film. The University Art Gallery presents professional artists' exhibits as well as the work of Stony Brook faculty and students in the Fine Arts program.

Staller Center's professional performance season opens in September and includes dozens of live professional events. World class artists and ensembles such as Savion Glover, Midori, the Ramsey Lewis Trio, the Moscow State Symphony Orchestra, and the Emerson String Quartet appear on the Staller Center stages alongside other internationally renowned musicians, dancers, actors, and actresses. The Renaissance Jazz Series brings leading jazz musicians to the intimate Staller Center Recital Hall. The "Not Just for Kids" series offers live musical theatre and other attractions for children and their families. Additional performances produced by outside presenters are on the calendar, such as the Long Island Philharmonic and the Seiskaya Ballet production of *The Nutcracker*.

A popular Film Series each semester includes an eclectic schedule of films, including foreign and art films that may have had limited engagements at local theaters.

Staller Center presents events produced by Stony Brook University's departments of theatre, music, and art. Students in the Department of Music perform under the direction of Stony Brook faculty, artists-in-residence, and guest artists. The Stony Brook Symphony Orchestra performs throughout the season.

In July, Staller Center presents the Stony Brook Film Festival, which showcases dozens of independent films from the United States and abroad. Films are in competition and awards are presented at the end of the 10-day festival. The event attracts thousands

to the Stony Brook campus. For tickets and information, go to www.stallercenter.com or call the Staller Center Box Office at (631) 632-7233. The Box Office is open from 12:00 pm to 6:00 pm, Monday to Saturday, and one hour before performances.

Department of Athletics

The Intercollegiate Athletics Program provides young men and women unique opportunities for learning not found in other academic environments of the University. The Program embraces the NCAA's principles of sportsmanship and ethical conduct, and in so doing, provides student-athletes with opportunities to develop positive character and leadership qualities through competitive sport participation and community service.

The Intercollegiate Athletics Program is committed to achieving academic and athletic excellence and to promoting the general welfare of its student-athletes. In achieving these goals, the Program conforms to the letter and spirit of all rules and regulations of the University and of all the athletic bodies of which it is a member.

Through its various activities, the Program offers broad opportunities in an environment that is free of bias—it supports equitable opportunities for all students and staff, including women and minorities. The diversity of offerings and participants plays an important role in improving campus life for students, faculty, staff, and the community.

Policies and Procedures

Maintenance of Public Order

The University wishes to maintain the public order appropriate to a university campus without unduly limiting or restricting freedom of speech or peaceful assembly. The State University Board of Trustees' Rules for the Maintenance of Public Order (Part 535 of Title VIII—Compliance of Codes, Rules, and Regulations of the State of New York) are available on the Judicial Affairs Web site <http://studentaffairs.stonybrook.edu/judiciary/order>

Office of the Student Judiciary

The Office of the Student Judiciary is responsible for investigating and adjudicating cases of alleged student misconduct (in nonacademic matters) in violation of the University Student

Conduct Code. In addition, the judiciary educates the campus community about the code and provides a learning experience for students who volunteer to become student hearing board members.

For questions regarding the Conduct Code, the judiciary process, or procedures for filing a complaint, please see <http://studentaffairs.stonybrook.edu/judiciary> or contact the Director of Judicial Affairs, 347 Administration Building, Gary.Mis@stonybrook.edu, (631) 632-6705.

Parking and Traffic

All graduate students who operate a car on campus are required to obtain a campus permit. Regulations have been established to govern vehicular and pedestrian traffic and parking on highways, streets, roads, and sidewalks owned, controlled, or maintained by the University. These regulations apply to students, faculty, employees, visitors, and all other persons upon such premises.

Online registration, campus information, bus schedules, rail links, parking regulations and appeal procedures, and much more can be found on the Parking Services Web site at www.parking.sunysb.edu. Commuter students can sign up to purchase permits for the Stadium Lot and two additional premium lots: the Life Sciences Lot and the ESS Meter Lot. Payment for premium lots can be made by charge card or the fee can be added to your University Account. Evening students may want to take advantage of the evening garage pass, which costs \$11.37 per month and is valid after 3:00 pm Monday to Friday. If you don't have computer access, call Parking Services at 632-AUTO for more information.

Student Conduct Code and Campus Safety

As a document, the University Student Conduct Code defines acceptable community behavior. For a resident student, it translates into respect for your neighbors and their property. It prohibits tampering with fire safety equipment, i.e., fire alarms, fire extinguishers, fire bells, etc. It includes respecting state property as well as maintaining an acceptable noise level in the residence halls conducive to study and sleep.

For all students, the Student Conduct Code supports compliance with state and federal laws pertaining to drugs,

alcohol, weapons, discrimination, physical abuse, sexual assault, acquaintance (date) rape, relationship violence, and racial, sexual, or sexual preference harassment. The Advisory Committee on Campus Safety will provide upon request all campus crime statistics as reported to the U.S. Department of Education. Direct such requests to Douglas Little, Assistant Chief of University Police, at (631) 632-7786. The U.S. Department of Education Web site for campus crime statistics is <http://ope.ed.gov/security/search.asp> and search for Stony Brook.

To obtain a copy of the code or information regarding campus regulations and disciplinary proceedings as well as procedures for filing a complaint, contact the Director of Judicial Affairs in the Office of the Student Judiciary, 347 Administration Building, or call (631) 632-6705. A copy of the code can also be found at http://ws.cc.stonybrook.edu/stuaff/Student_Handbook_2001.pdf

