

STONY BROOK

STATE UNIVERSITY OF NEW YORK

journey in my head to

work my

mind,

But then begins a



William

Shakespeare

body's work exposed.

UNDERGRADUATE EDUCATION AT STONY BROOK

LEARNING RAISED TO THE HIGHEST POWER

Any college or university can add four years to your education. A research university can multiply its value. Stony Brook can raise your education to the highest power.

is to say, you must... attention to so many things, but... attention to one thing... the second declension." Now, the second declension is the least interesting thing in the room, but unless he concentrates his attention to it he will never learn it. Education demands narrowing of attention in the interest of efficiency. A man may, by dint of application to a particular subject, become a specialist in that field. A lawyer, a doctor, a merchant or real-estate man... of the year... Franklin made a pretty kite and flew it in the air... call upon a thunder storm that happened to be there... all our humbling dynamos and our electric light... go back to what Benjamin found, the day he saw his kite. Ben Franklin was a man that people like to see. For he was very clever but as human as could be. He had an eye for pretty girls, a palate for good wine. And all the court of France were glad to see him. But it didn't make him stuffy and he wasn't spoiled. He stayed Ben Franklin to the end, as Yankee as his name. "He wrenched their... from tyrants and its light... sky." And oh, when he saw pretty girls, he had a taking eye!

THOMAS JEFFERSON
Rosemary and Stephen Vincent

Thomas Jefferson
What do you see
Under the gravestone
Hidden away?
How a great
Warden.

he can... four ho... sabbath... In them... is not e... receives... tected;... our oth... of Inde... an inali... ness? The o... horteds... used to... letical pu... To him... guments... the prese... "All yo... your favo... But what... There is o... thinking a... we can th... "I agre... No matte... ack to th... But not... is part... spoon... match... all in me... after someo... mark be... facts... nature. Th... yond belie... they were... lly seri... TH

because we are not... to do... Whitman might... But not... is part... spoon... match... all in me... after someo...



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LEARNING

The world of higher education in America includes what appears to be a bewildering array of choices: 3,200 colleges and universities, with 295 in New York State alone. Yet only 100 or so universities nationwide and fewer than eight in New York State provide an ideal setting for students seeking a college education of unmatched breadth, depth, and quality. Only one such university can be found on Long Island: Stony Brook.

Stony Brook is part of a small constellation of major universities — known colloquially as “research” universities — that form the core of the academic universe. These great centers of teaching and learning are the source of the new ideas and knowledge that fuel economic growth and business development, advance science and technology, improve health care and education, strengthen government, and contribute to the

RAISED TO

understandings that are essential to the advancement of the human race. They are the places where DNA is decoded, works of art are created, the riddles of sub-atomic particles are probed, cultures are bridged, and history is reimagined. Most important of all, these fertile intellectual and creative centers are the very best place for talented and highly motivated students to make the most of their potential.

Students at these universities gain enormous advantages. They not only study the most advanced knowledge but also participate in the creation of new knowledge. They work side-by-side with faculty to apply that knowledge to the solution of problems in every realm of human endeavor, from environmental hazards and urban development to the exploration of space and the opening of new creative frontiers in music and dance. They can draw from an unusually broad and deep academic treasure

THE HIGHEST

house that includes not only a dazzling variety of courses, majors, and preprofessional programs, but also the stimulation of faculty and students with a challenging and engaging variety of intellectual and creative interests. They have access to extraordinary learning resources, from outstanding libraries to state-of-the-art research technologies. They encounter a diversity of people and ideas and, in the process, arrive at a surer sense of who they are and what they think.

You can join students like these — at Stony Brook, the leading research university campus of the State University of New York. We invite you to read on to learn more about why Stony Brook may be an outstanding choice for you.

POWER

It might surprise you and your parents — and even your college advisor — that Stony Brook is one of the nation's leading research universities. That wouldn't be unusual — unless you're very knowledgeable about higher education. Of the nation's top 100 or so major universities — public and private — Stony Brook is among the youngest. Fifteen of its academic departments, from Biochemistry to Computer Science, English to Nursing and Economics, are ranked among the top 50 of the nation's 3,200 colleges and universities. Already, members of its faculty have won a Nobel Prize, a Pulitzer Prize, and a slew of grants from the National Science Foundation, the National Endowment for the Humanities, and the National Institutes of Health. No other public university in New York, and few in the East, for that matter, can claim such distinction.

A DIFFERENT School of Thought

In New York and on Long Island, Stony Brook's outstanding achievements may be something of a well-kept secret.

But the rest of the world already knows: Each year more than 300 top scholars from 40 countries visit the campus to teach and conduct research.

Yet in many respects, Stony Brook does not resemble other leading research universities at all. Our approach to undergraduate education — your learning — represents a different school of thought.

Unlike many major institutions, we don't expect you to explore the enormous world of learning we offer without a navigator. According to our school of thought, the people who are already exploring the frontiers of knowledge — the faculty — are in the best position to help you steer your own course.

Stony Brook faculty have won the Nobel Prize for physics and the Pulitzer Prize for poetry. Earned Guggenheim fellowships and grants from the National Science Foundation to pursue scholarly work. Written Obie

Award-winning plays. Conducted opera companies across the nation and in Europe. Spliced genes in the search for a cure for cancer. Written critically acclaimed novels. Advised the Governor of New York. Served as consultants to the CEOs of the nation's largest corporations. They are the same faculty you'll find teaching your lecture courses, leading your discussion groups and seminars, and coordinating your laboratory classes. When you need to think through your academic program and career choices, these same scholars are available to advise you, bringing their experience and wisdom to bear on your future. And when you're ready, they welcome you to the laboratory, the library, and the studio and ask you to join them in the adventure of creating knowledge.

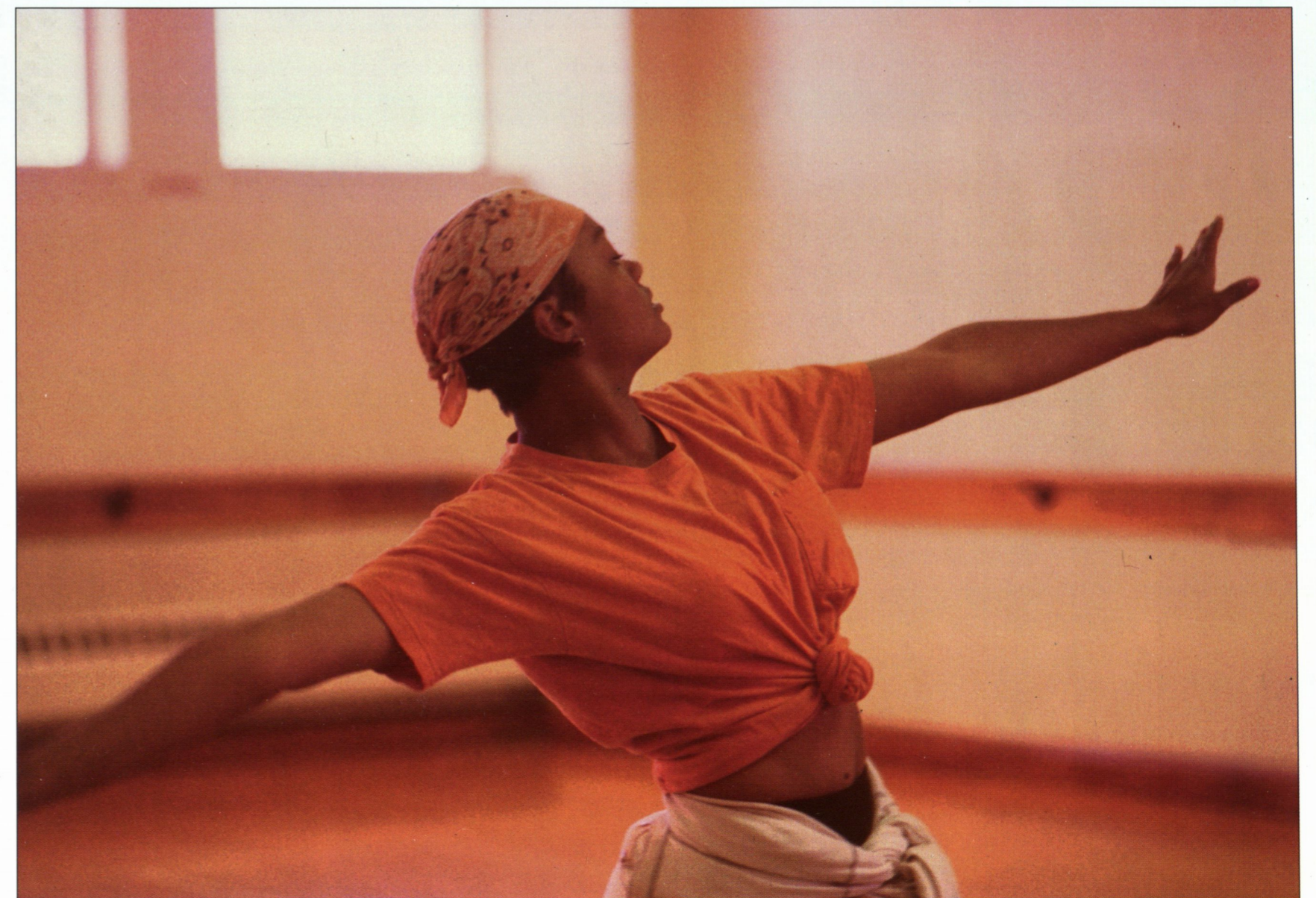
According to our school of thought, this adventure lies at the heart of an effective education for a competitive world. Many opportunities are provided for students to experience the excitement of discovery, from Undergraduate

Research and Creative Activities (URECA) to Living/Learning Centers. Through URECA, undergraduates can participate with faculty members on research or other creative projects designed either by the faculty member or by the student. Living/Learning Centers allow students studying one of five fields (science and engineering, human sexual and gender development, French, international relations, or Italian) to live in a residence hall with other students in the same major or minor and participate in out-of-classroom activities that enhance their understanding of these fields of study.

Stony Brook also combines elements you might not expect to find together. Located on the tranquil and beautiful North Shore of Long Island, near the charming New England-like town that shares its name and the beaches and old fishing villages for which the area is famous, Stony Brook has strong professional and academic connections to New York City — only 60 miles away — and to such nearby research centers as



Cold Spring Harbor, a major international center of genetic research. These resources afford Stony Brook students remarkable opportunities for internships, public and volunteer service, and research, but in a setting that is peaceful and comforting.



Our school of thought includes

the assumption that undergrad-

uates are capable of using the most

advanced learning and research

tools, and we do everything to make

them available to students.

While students at other institutions are consulting textbooks as the last word, you'll encounter knowledge too new to be packaged, knowledge generated by Stony Brook's outstanding faculty. They have made discoveries, written textbooks, developed research paradigms, and created teaching methods that many faculty at other colleges and universities use in their own teaching and research. Most institutions would be happy to have even a few such people on their faculty — and their time would be considered too precious to "waste" on undergraduates. There are dozens of these people teaching in Stony Brook's classrooms right now. Indeed, no fewer than 24 Stony Brook faculty members have been recognized by The State University of New York as Distinguished Professors for their teaching, research, or service.

Not surprisingly, Stony Brook, like other leading research universities, offers outstanding resources for teaching and learning, ranging from its two million-volume library system and 1,100-seat proscenium stage theatre to a National Science Foundation-funded nuclear linear accelerator and a regional medical center and teaching hospital. But while its academic, intellectual, and cultural resources are vast, Stony Brook is not what many other research universities have become, "mega-universities"

where the needs of undergraduates are forgotten and where the sheer size and scope of the institution overwhelm many students. Again, Stony Brook differs from many other research universities in that it puts its immense resources at the disposal of each undergraduate. If you qualify, for example, you'll be able to conduct high-energy experiments in physics on the cyclotron, examine the molecular structure of the HIV virus on the University's photospectrometer, or run regression analyses of your political science survey results on one of the University's two mainframe computers. Our school of thought includes the assumption that undergraduates are capable of using the most advanced learning and research tools, and we do everything to make them available to students.

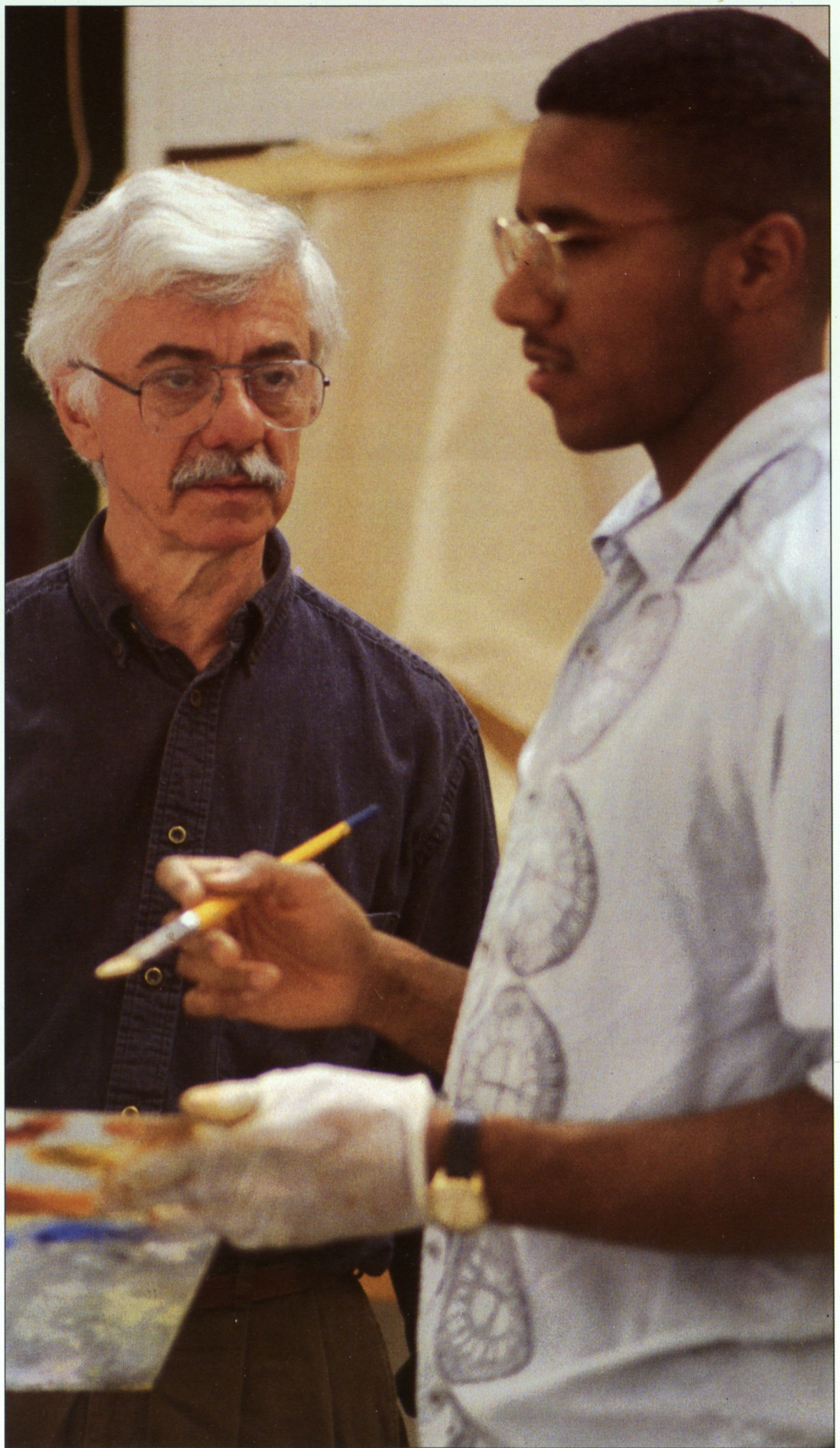
Another advantage for Stony Brook students is the range of academic programs. More than 1,200 courses each semester, 47 academic majors and 44 minors offered in the College of Arts and Sciences, the College of Engineering and Applied Sciences, the W. Averell Harriman School for Management and Policy, and the Schools of Nursing, Social Welfare, and Allied Health Professions provide a resource for learning and experience that no college, and few other universities for that matter, can match. The benefits of these resources are many. Some are



subtle: you can choose from ten courses in Colonial American history rather than one or two. Some are dramatic: at any given time, Stony Brook faculty are actively engaged in more than 1,000 sponsored projects, from scientific studies to public service and training. Students are involved in many of these projects, and they provide outstanding experience for graduate and professional school, job placement, and, of course, your own intellectual growth and development.

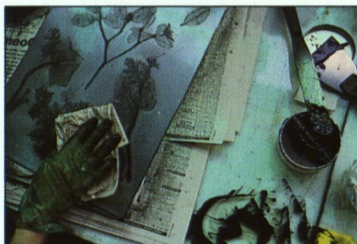
**Every student can
benefit from a Stony
Brook education, even
those who think that
when it comes to col-
lege size and breadth,
less is more. At Stony
Brook, students come
to understand that
more *is* more.**

In business, the expression that describes such excellence is "value added" — an investment of something extra in a product or service that multiplies its ultimate effectiveness many times. Stony Brook takes four years of education — of courses, professors, trips to the library, evenings at the computer — four years that have the same basic shape at almost all colleges — and enriches them at every stage. The value Stony Brook adds raises your learning to the highest power.



F I E L D S O F

DREAMS



WE LIVE IN AN AGE OF INFORMATION AND SPECIALIZATION. TODAY, MORE THAN EVER BEFORE, KNOWLEDGE AND IDEAS ARE THE CHIEF MEANS OF PERSONAL AND PROFESSIONAL ACHIEVEMENT, THE INSPIRATION FOR YOUR CREATIVITY AND IMAGINATION, THE FRAMEWORK FOR YOUR FUTURE. STONY BROOK IS A PRINCIPAL SOURCE OF THE KNOWLEDGE AND IDEAS THAT ARE SHAPING OUR WORLD. IN FIELDS RANGING FROM PROTECTION OF THE ENVIRONMENT TO THE DEVELOPMENT OF CHEAP, INEXHAUSTIBLE SOURCES OF ENERGY, FROM THE MANAGEMENT OF HIGH-TECHNOLOGY BUSINESSES TO THE CREATION OF NEW ART FORMS, STONY BROOK FACULTY AND STUDENTS TOGETHER ARE INVENTING THE FUTURE.

Living people!

We should show life neither as it is

nor as it ought to be,

but as we see it in our dreams.

[Anton Chekhov]

Land of Heart's Desire, where beauty has no ebb, decay no flood, but joy is wisdom, time an endless song. W.B. Yeats

EDUCATION

APPLIED SCIENCES

COMMUNICATIONS

MEDICINE

ARTS and [SCIENCES]

In the field of observation chance favors only those minds which are prepared. Louis Pasteur

humanities

TECHNOLOGY

{ Knowledge itself is power. Francis Bacon

HEALTH PROFESSIONS

MUSIC

To believe that what is true for you in your private heart 's true for all men,— that is genius. Ralph Waldo Emerson

BUSINESS

LANGUAGES

...the **question** is whether you are to be a hammer—whether you are to give to the world in which you were reared and educated the broadest possible benefits of that education

John F. Kennedy



When a student first looks at the Stony Brook course catalogue, it may look like a routine description of courses. At an ordinary university or college, that might be the case. But at Stony Brook, the course catalogue is another kind of book, one that defines opportunities and possibilities. Like the University itself, it points the way to new worlds that are waiting to be explored.

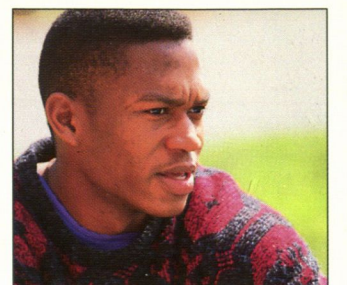
For those who have not yet dreamed what they might be, what this book represents can inspire visions. For those who already sense deep down the goals they must pursue, the knowledge and learning it describes can give them the motivation to realize their dreams.

Of course, it's easier to choose from a menu of a few hundred courses than from over a thousand. But with help from advisors and faculty who are leaders in their fields, you'll be able to discover the book's unique message for you.

Guy Miller applied to college with a dream. He wanted to make a difference in the world, and studying law would be the way to accomplish it. But when he couldn't afford Harvard, he must have wondered when, how, and even if he would pursue that dream. Stony Brook helped him discover that, in fact, he had barely begun to dream, and that he could begin immediately to make the dream a reality.

Stony Brook's Honors College challenged Guy immediately with its rigor. "I had no idea how good the honors

The Awakening of Ideas



program was or the range of opportunities it offered until I arrived on campus," he says. At the same time, the University's academic breadth began to expand his vision and suggested connections between fields. At another institution, Guy might not have been able to choose the courses in arms control and foreign intelligence he took with Distinguished Professor Lester Paldy, an international affairs specialist and director of Stony Brook's Arms Control, Disarmament, and Peace Studies Resource Center. These courses catapulted him across disciplines and set him on a track for a double major in history and political science, an outstanding preparation for law school.

Just as important, Professor Paldy helped him discover the impact of such knowledge in the world. Professor Paldy's close ties to the United Nations opened doors there, and Guy was chosen as the only undergraduate intern among a cadre of graduate students from across the country. "From the way I worked," he says, "they assumed I was one of them. The other interns were shocked to discover I was an undergraduate." The U.N. experience became a turning point, the moment when Guy's dreams began to crystallize into a direction. "Suddenly I could see the practical application of the ideas and concepts I had been studying in class. I began to realize I wanted to study international law."

Not all students come to Stony Brook with Guy's sense of purpose. And the Honors College is not for everyone. It admits only 40 students each year. And it is highly selective: only one out of every twelve applicants gains admission. Yet every Stony Brook undergraduate has the opportunity to follow an individual path of discovery. Stony Brook's Diversified Education Curriculum (D.E.C.), for example, guarantees that you will be exposed to different disciplines. D.E.C. is not a narrow core of required courses. Rather, it sets down guidelines that

steer you through Stony Brook's rich course offerings to different subjects and perspectives. You'll not only experience the approaches of the scientist, the humanist, the social scientist, and the artist, you'll also encounter other cultures, with faculty who know them as experts. Challenged by unfamiliar histories, attitudes, and achievements, you can learn to value the ones you know and better appreciate the incredible diversity of human achievement.

Such an approach can only work where the field of dreams is wide. The range of subjects taught at Stony Brook is as wide as thought itself. With the help of faculty advisors, you can find a focus in any specific area from nursing to neuroscience, from music to medieval history.

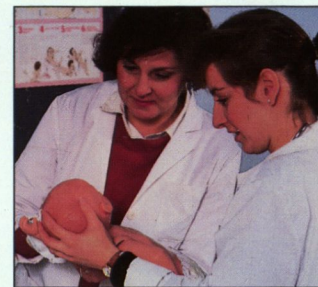
But like Guy Miller, you may also find that your academic interest does not fit in a box. In fact, the most exciting work in science and the humanities today defies labels. So Stony Brook offers special interdisciplinary opportunities that prepare you for that new world. Double majors can be created to link nearly any two specialties. The Department of Technology and Society, on the other hand, builds bridges between the College of Engineering and Applied Sciences, the

humanities, and the social sciences by exploring the impact of technology on social interaction and personal experience. Its courses can help you not only to understand change but to master it. And the minor in Women's Studies introduces you to the vast and ongoing contributions of women to knowledge, art, society, and religion.

In the end, the Stony Brook "dream book" offers the greatest advantage of a university education: freedom to explore. If you embrace that freedom, you'll reap benefits long after you graduate. Brad Golding, a 1986 graduate of the Department of Applied Mathematics and Statistics, had no clear idea what a degree in the field would do for him. But he quit worrying about the bottom line and took the courses that intrigued him. When he began to consider a career as a financial analyst, he understood where he'd been heading all along. "You don't need a background in business or finance to excel in the field," he says. "I realized that my problem-solving abilities and logical thinking were the greatest tools I possessed. You can pick up the basics of any field pretty rapidly if you work at it. It's more important to be able to make sound decisions quickly. I gained that ability from my education at Stony Brook."



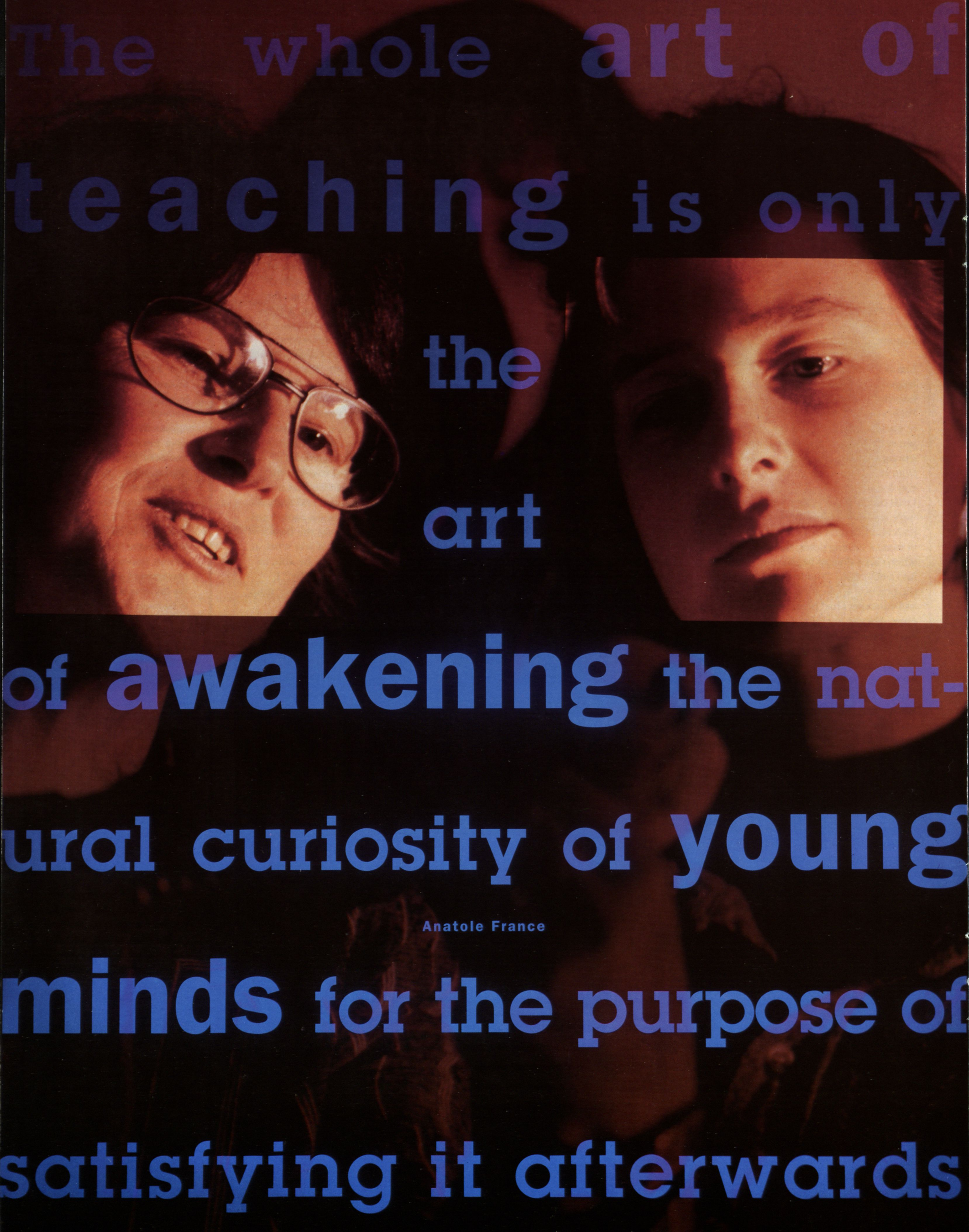
The transition to college life can be confusing, especially at a major university. To ease this process, Stony Brook offers a one-credit orientation course for freshmen that is limited to groups of 20 students. In USB 101, faculty and administrators help students learn to improve their study skills and time management; familiarize students with Stony Brook's libraries, six networked computer labs, and special academic opportunities; and emphasize the importance of interacting with faculty and making the most of academic advising and career development services.



Students at Stony Brook study in six schools. Most students are enrolled in the College of Arts and Sciences, where they study the arts, humanities, physical and biological sciences, and social and behavioral sciences. Students interested in careers in engineering study in the College of Engineering and Applied Sciences, where they have access to specialized resources and advanced scientific training. At the Stony Brook Health Sciences Center, students enter the School of Allied Health Professions, the School of Social Welfare, or the School of Nursing. The W. Averell Harriman School for Management and Policy offers the Bachelor of Science degree in Business Management.



The Center for Academic Advising is the central resource for undergraduates seeking assistance with any question about their academic program or educational experience at Stony Brook. Advisors help students select their course of study and evaluate their progress toward completion of graduation requirements. The Center also assists students in preparing for additional requirements for graduate study or careers in specific fields including health professions and law.



The whole art of
teaching is only
the
art
of awakening the nat-
ural curiosity of young
minds for the purpose of
satisfying it afterwards

Anatole France

mind to mind

W I T H

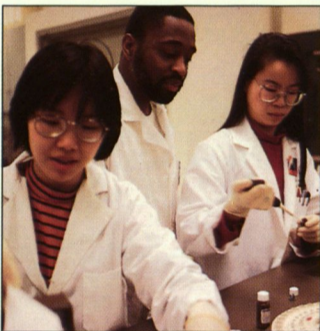
great

THINKERS

It takes getting used to. First you begin to realize that the teachers you've come to know in your classrooms and laboratories are some of the very best scholars in their fields, men and women known nationally and internationally for their ideas and insights. Yet here they are, leading your discussion group or guiding your experiment - not locked away in think tanks and research institutes never to see an undergraduate - because they have made a commitment to pass on what they know. But more than that. These scholars and artists want you to develop your capabilities to the fullest, by inviting you to stand side by side with them in the process of discovery. If you catch their excitement, your next step may be to think with them and make your own contribution to the advancement of knowledge.

Advancement of Knowledge

In the days before graduate assistants and computer-assisted learning, electronic mail and language laboratories, peer tutors and mentor programs, lecture halls and science labs, students first sought out great minds. There was nothing more or less to getting a good education.



Stony Brook is home to 21 research institutes, centers of scholarship focused on critical problems and issues, including the Institute for Mathematical Sciences, the Institute for Social Analysis, the Marine Sciences Research Center, the Economic Research Bureau, and the Center for Excellence and Innovation in Education. They garner grant support from government and business and provide research experience, internships, and other special learning opportunities for undergraduates.

In ancient Athens, Plato came to study with Socrates. Two millennia later these great Greek philosophers are still teaching us. In Florence, Leonardo Da Vinci entered the studio of the master Verrochio. Together they fostered a revolution in art that gave human beings a new image of themselves. And when Kepler sought the key to motion of the heavens, he knew it could be found in the pocket of the one person who had watched the stars as carefully as he had — Tycho Brahe.

Biochemistry major Steven Spiegel is not yet ready to change history, and his line of succession as a budding scientist is still unclear. But like the long list of students who have come to study with great scholars, he's found at Stony Brook the mentor who may empower him to make his own mark on the world.

Steven gained early admission to Stony Brook's School of Medicine, a special place that can prepare physicians equally well to deliver babies and perform gene therapy with cutting edge molecular tools. Dr. Arthur Grollman, professor and chair of the Department of Pharmacological Sciences, saw in Steven tomorrow's physician-scientist and invited him to participate in research that just may change the world. Together, they are searching for enzymes in the body that can repair lesions in DNA, a key factor in cancer.

For Steven Spiegel, no less than for Plato, access to top teachers makes all the difference. What if Socrates wouldn't teach undergraduates? Even at the best universities, marquee names often remain just that — names on a marquee — unless you are a graduate student. Yet these great faculty are precisely the people who can change your life, just by their example.

Those examples abound at Stony Brook. C. N. Yang, Nobel Prize winner in physics, Distinguished Professor, and Director of the Institute for Theoretical Physics, teaches introductory physics at Stony

Brook. If you want to experience the full wealth of Irish literature, you can go right to the source. Distinguished Professor Thomas Flanagan is not only an expert, he is also an accomplished practitioner of his art. The first novel in his trilogy, *The Year of the French*, won the National Book Critics Circle Award, and together with its sequel, *The Tenants of Time*, the allegiance of hundreds of thousands of readers.

Likewise, you might dabble in dance at almost any campus; at Stony Brook Assistant Professor Randy Thomas instills much higher aspirations in his students. He has trained in ballet, modern dance, and jazz with premier companies on both sides of the Atlantic, including the Joffrey Ballet and the Alvin Ailey Dance ensemble. And if you want to begin now to have an impact on the quality of the environment, you can work with two of the people who alerted the world to the dangers of ozone depletion, Professor Robert DeZafra in Physics and Professor Philip Solomon in Earth and Space Sciences.

William Dawes, Director of Undergraduate Studies for the Department of Economics, sums up the Stony Brook philosophy on research and teaching: "We make sure our best researchers are in the classroom teaching undergraduates because we have found that the dedication and energy that make someone a great researcher are the same qualities that can make them a great teacher." Kepler wouldn't argue with that.



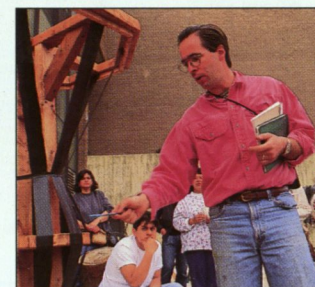


But what if there aren't enough outstanding faculty to go around? That's the dilemma at most good liberal arts colleges. You could easily find yourself standing in line at registration each year hoping to get lucky. The answer is critical intellectual mass.

You can learn from leaders in every discipline at Stony Brook. People the caliber of Professors Yang and Flanagan act like magnets for others in their fields and beyond. Students in the Physician Assistant Program in the Stony Brook Health Sciences Center, for example, almost can't avoid being at the forefront, because many of the people who founded the field are faculty members, including department chairperson Paul Lombardo, a clinical assistant professor and past president of the National Association of Physician's Assistants. In

the W. Averell Harriman School for Management and Policy, two thirds of the faculty members have won Fulbright Fellowships, Sloan Foundation Fellowships, or National Science Foundation Awards. "This is a much higher percentage than at any other business school in the nation," says Dean Matthew Sobel.

Such areas of excellence are common at Stony Brook because excellence, as you'll soon find, tends to build on itself. Here's where you deserve some credit, even though you may not have chosen to enroll yet. Faculty don't gather here just so they can talk to each other. They look forward to the opportunity of working with you. For each class of Stony Brook undergraduates contains students as gifted and motivated as any in the country.



Many students receive funding to work directly with faculty members through the National Science Foundation's Research Experience for Undergraduates (REU) program. Currently, the departments of Chemistry, Physics, Political Science, Psychology, and Sociology receive NSF grants for this purpose.

Stony Brook's student/faculty ratio of 18:1 is the lowest of any SUNY university center in New York, is among the lowest of all major research universities in the country, and is comparable to that of many liberal arts colleges.

The Carnegie Foundation has ranked Stony Brook as one of the nation's 70 leading research institutions based on the level of faculty scholarship and student performance. Stony Brook is the only public university in New York State to receive that designation.

Fifteen of Stony Brook's departments are ranked in the top 50 in the nation by *The Gourman Report* based, in part, on the quality and reputation of the faculty. These departments are: Biochemistry, Biology, Chemistry, Computer Science, Economics, Electrical Engineering, Engineering Science, English, Geology, History, Mathematics, Nursing, Physical Therapy, Physics, and Psychology.

AHEAD

MOST STUDENTS COME TO COLLEGE IMPATIENT TO BEGIN DOING THE REAL WORK OF THE WORLD. ASPIRING PHYSICAL THERAPISTS, NURSES, OR DOCTORS DON'T WANT TO WAIT FOUR YEARS OR MORE TO OBSERVE A PATIENT OR CONDUCT A DIAGNOSIS. A BUDDING BUSINESS LEADER WANTS TO TACKLE REAL BUSINESS PROBLEMS FOR REAL COMPANIES, NOT JUST STUDY THEM. A STUDENT PLANNING A FUTURE AS AN ENVIRONMENTALIST WANTS TO TACKLE TOUGH ENVIRONMENTAL QUESTIONS NOW, NOT SOMETIME

IN THE

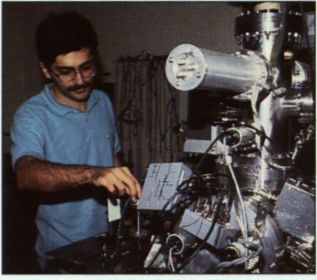
IN THE FUTURE. EVEN THE STUDENT WHO IS UNDECIDED ABOUT A CAREER PATH WANTS EXPERIENCE THAT CAN HELP SHAPE AN INTEREST OR CHOICE.

STONY BROOK IS A PROVING GROUND FOR STUDENTS ANXIOUS TO BEGIN THE WORK OF THE WORLD, GAIN CAREER EXPERIENCE, AND BUILD CREDENTIALS FOR GRADUATE AND PROFESSIONAL SCHOOL. AS A MAJOR UNIVERSITY WITH STRONG PREPROFESSIONAL CONNECTIONS TO THE NEW YORK METROPOLITAN AREA, STONY

WORLD

BROOK PROVIDES A WEALTH OF OPPORTUNITIES TO COMPLEMENT ACADEMIC WORK WITH HANDS-ON EXPERIENCE. THE FACULTY'S MANY CONNECTIONS TO BUSINESSES, AGENCIES OF GOVERNMENT, AND OTHER ORGANIZATIONS, ALONG WITH THE HUNDREDS OF RESEARCH PROJECTS LED BY FACULTY WITH THE SUPPORT OF OUTSIDE ORGANIZATIONS, PROVIDE A WIDE AND CHALLENGING ARRAY OF EXPERIENCES THAT ENABLE STUDENTS TO BEGIN THE WORK THEY COULD ONLY DREAM OF DOING AT OTHER COLLEGES AND UNIVERSITIES.





Many Stony Brook students find internships through the University's internship coordinators, others find them through their academic departments, and still others seek out opportunities on their own. Beginning in their junior year, students can earn academic credit for their internships. If they have strong interests before then, they can work with the URECA (Undergraduate Research and Creative Activities) office to establish their own program.

The Career Development Office provides a variety of career and life planning services to students, including individual advising, career interest testing, volunteer placement, pre-graduate and professional school test administration, workshops on resume preparation and interviewing skills, credentials files, access to Stony Brook alumni working in specific fields, and more.

The College of Engineering and Applied Sciences has developed partnerships with local businesses to employ Stony Brook students as interns, summer employees, and after graduation. Students in virtually every program of the College, from Computer Science and Information Systems to Mechanical Engineering and Materials Science, become members of a team of professional problem-solvers in over a dozen high-technology companies in the Long Island region, including the software manufacturing giant Computer Associates (just a short ride down the Long Island Expressway from the campus), Absolute Environmental Services, Izumi Corporation, and Renaissance Technologies.

The world is tough and getting tougher every day. It used to be that the best calling card for a student graduating from college was a transcript studded with high grades from a first-rate institution. No more. With jobs scarce and entrance into the best graduate and professional schools growing more and more competitive, good grades alone are no longer enough. Graduate schools of business and business employers want to see evidence of solid business experience. Law and medical schools increasingly seek students who have demonstrated some measure of commitment to their chosen field through work in community agencies or as volunteers in hospitals and clinics. And it's the same in every field.



Ahead in Experience

But good experience is hard to come by. The actual work experience available to most college students consists of little more than menial tasks. Shelving books in the library, waiting on tables in the dining hall, and filing papers in the bursar's office, while often sources of much-needed income, do not provide the kind of experience most employers have in mind.

That's why you can best prepare for the real world by first committing yourself to developing thinking and problem-solving skills and putting them to use right away. Every department at Stony Brook offers you opportunities to develop these skills by encouraging you to work closely with faculty members, either on your own projects or on theirs. As research leaders, they are engaged in discovery and discovery depends on independent, original thinking. That's the standard they'll hold you to.

Recent graduate Sari Paikoff learned the larger importance of this academic enterprise. She stayed an extra semester to complete an original research project she began in the laboratory of chemistry professor Cynthia Burrows. By the time she graduated, she had already submitted a paper to a leading publication, the *Journal of Organic Chemistry*. Without a doubt the experience helped her win admission to one of the nation's top graduate programs. But Sari recognizes a powerful message capable of getting the attention of any employer. "It is evidence that I am totally committed to my work," she says.

This kind of experience is the next step to getting ahead. Stony Brook has created literally thousands of opportunities for enhancing and extending classroom learning, ranging from internships and cooperative employment to teaching assistantships and volunteer activity. Approximately 300 students take advantage of them each year, and the possibilities are extensive. With the University's close proximity to New York City, their quality and diversity are unexcelled. They can take you from the United Nations to Wall Street, from network television studios to government agencies, from biotechnology laboratories to engineering companies. Individual faculty members can suggest even more.

Senior Joseph Weingartner chose to gain experience right on campus, as a teaching assistant. After excelling in a course in modern physics as a sophomore, he was asked to help with the next semester's class, leading discussion sessions, conducting exam reviews, and troubleshooting. He found that having to explain and help students build skills clarified his own thinking. And for someone who plans to become a theoretical physicist, "being a TA has given me the chance to see first-hand what life as a professor is all about. It's also given me a greater appreciation for the commitment required to be a scientist."

Both Sari and Joe knew the directions they wanted to travel, and both gained tangible benefits from their experiences outside the classroom. They are a step ahead in the real world. But the greatest payoffs from internships may come to those who don't know what they want to do with their lives. Internships offer routes to self-

discovery and enhanced self-confidence, the qualities that underlie success no matter what the field.

"When I came to Stony Brook, I had almost too many interests," says senior Stefanie Wicks. "Biology, physical therapy, psychology, sociology — the only way to find out what 'fit' was to try them all out. With all that Stony Brook offers I was able to experiment, but my experimentation was informed by experience. Through volunteer activity and internships, I was able to test what I learned against the standards of the world outside the classroom."

For example, Stefanie volunteered at University Hospital, one of the state's finest regional medical centers. She conducted research in the Marital Therapy Clinic of the Department of Psychology. She also took an internship in family court of the Nassau County Probation Department, where the poignant experience of broken families and children at risk taught her the truth behind stereotypes and sensational headlines.

"I discovered that none of these was exactly what I was looking for," she says. "I found that on campus." Working as a campus tour guide, she discovered she deeply enjoyed helping people make choices and do precisely what she was doing: deciding what to do with their lives. "So I decided to get a certificate in human resources management and I plan to work in college admissions."

In the end, college is the very best place to ready yourself for the world that lies beyond the campus. But courses and study alone are not enough. By taking advantage of the opportunities to gain experience at Stony Brook, you'll have luxuries you rarely encounter in the working world: the chance to test what you've learned, change directions with little risk, and reflect on what you have tried. Here, your first step into the "real world" does not occur when you walk off the campus at graduation, but when you arrive as a freshman.



Graduates of the Stony Brook Health Sciences Center often know where they will be working six months before they graduate. The excellent quality of the programs, their experiences in University Hospital and other hospitals and agencies, and the vital need for qualified health care professionals combine to put them in high demand in the workforce.



*M*UCH IS MADE TODAY OF THE FACT THAT THE WORLD IS BECOMING A GLOBAL VILLAGE, A PLACE WHERE THE BOUNDARIES OF RACE, NATIONALITY, RELIGION, GENDER, AND EVEN POLITICAL IDEOLOGY ARE NO LONGER STRICTLY DRAWN. EXPERTS AGREE THAT LEARNING TO MOVE FREELY ACROSS THESE BOUNDARIES WILL BE CRUCIAL TO THE PERSONAL AND PROFESSIONAL DEVELOPMENT OF STUDENTS NOW IN COLLEGE. YET MOST COLLEGES AND UNIVERSITIES SEEM TO REMAIN AS HAVENS FOR HOMOGENEITY AND CONFORMITY, THE IDEAL SMALL TOWN OF ANOTHER AGE.

WITH STONY BROOK'S LOCAL LONG ISLAND AND NEW YORK STATE ROOTS AND INTERNATIONAL REPUTATION, YOU ARE CERTAIN TO FIND PEOPLE WHO SHARE YOUR BACKGROUND AND INTERESTS, NO MATTER WHERE YOU COME FROM. BUT STONY BROOK CAN OFFER YOU FAR MORE THAN FAMILIAR FACES. IN THIS DIVERSE COMMUNITY, YOU ARE JUST AS CERTAIN TO BE STIMULATED BY PEOPLE WHO DON'T LOOK, TALK, THINK, OR CREATE THE WAY YOU DO. THAT CAN MAKE AN IMPORTANT DIFFERENCE WHEN YOU ENTER A WORLD WHERE MOST PEOPLE COME FROM "SOMEWHERE ELSE." IN FINDING A HOME AT STONY BROOK, YOU'LL BE BETTER PREPARED TO FEEL AT HOME WHEREVER YOU FIND YOURSELF LATER IN LIFE.

at home in

DIFFERENT

places

An International Reputation

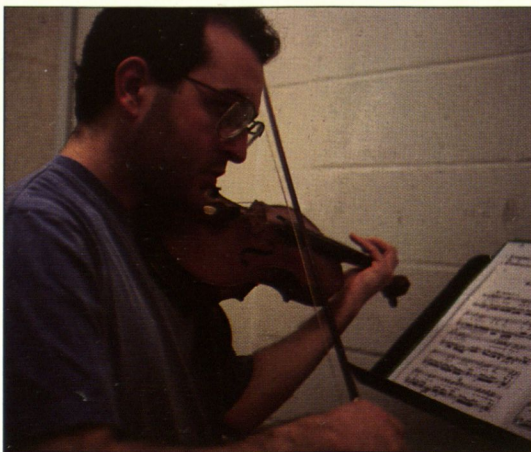
Some would call it a melting pot, others a mosaic. A few imaginative souls might even think it was the United Nations. Whatever it might be called, the community in this university could never be characterized as homogeneous. There are more than 11,000 undergraduates from 36 states and 50 countries. And while most students are from New York, that in and of itself encompasses people from most of the world. Just about every branch — ethnic, national, and racial — of the human family is represented.



You might think that in this swirl of differences, it would be easy to lose a sense of who — and where — you are. But the opposite happens: you gain something from almost everyone you spend time with and you begin to see in yourself more than you could have known was there. At Stony Brook, you'll discover that you don't have to stay home to feel at home. And the idea of family will take on a new, more expansive meaning.

Of course, the chance to grow from those around you is one reason why people go to universities. Ellena Miliariesio grew up in Naples, Italy. At Stony Brook, she expected to encounter people who were different from her, but she also found points of contact. "At Stony Brook we can bring different points of view together to enrich a common experience."

The first person Stefanie Wicks became close friends with was part Indonesian, part



Chinese — seemingly worlds apart from Stefanie's Jewish background. And after four years, senior Julie Backerman's friends range from sorority sisters to members of Stony Brook's Medieval Guild. "I'm not limited in my choices," she says. "My friends are so diverse that I can enjoy different experiences with different people on different days." It's easier to welcome these new experiences and people when you feel secure. Stony Brook enables you to plant your feet among friends by fostering small communities with something in common. The bond can be a background, a passion, an interest, a goal, or even a language. Members of the Asian Students Association or the Haitian Student Organization, for example, celebrate common cultural roots and often life experiences. Students in professional organizations such as Educators of the Future, Minorities in Engineering and Applied Sciences, and the Economic Society share ambitions. Members of the Parachute Club like to fall from high places, and members of the Wilderness Club like to visit untrodden ones.

There are more than 200 student organizations at Stony Brook, from fraternities and sororities to performing arts groups, giving students 200 places to feel at home.

These communities offer more than friendship. They can expand your education and your experience in profound ways. As president of the Residence Hall Association, for example, you would have an impact on the quality of life of more than half the undergraduate students. As treasurer of Student Polity, you'd be responsible for a student

activities budget of \$1.4 million. And as the editor of *Blackworld*, one of half a dozen student publications, you'd gain experience that translates directly to the working world.

Stony Brook's volunteer action organization VITAL (Volunteers Involved Together for Action in Life) offers several hundred students each year (and thousands since its inception) diverse ways to try out a service career. Just as important as practical experience, however, students who volunteer at the University Hospital, at community and campus learning and child care centers, and in programs for disadvantaged children learn first-hand about the satisfactions and the challenges of working for the benefit of others. They don't have to wait for graduation to have a direct impact on the world around them.

If you come to love learning enough to consider graduate or professional school, or even enough to go beyond an assignment, Stony Brook's department societies can link classroom, campus, and career. These groups organize lectures and seminars, invite distinguished speakers, plan student presentations, and conduct study sessions. And students who excel academically can strengthen their standards of high achievement in Sigma Beta Honor Society, Phi Beta Kappa, and a range of departmental honor societies.

One of the most popular ways of finding your place at Stony Brook is through athletics. Stony Brook fields 20 intercollegiate teams for men and women, but their number and success are far less important than their openness. Sports are for everyone on

campus. Whether you like to hit balls over nets, push pucks into them, or throw balls through them, there is a team, club, or intramural group to join. The facilities, too, are for everyone: the Indoor Sports Complex, with its jogging track, pool, weight rooms, basketball courts, and dance studio, is open to all students virtually from dawn to dusk — and later.

With all these possibilities, you probably wouldn't notice if the campus were located on the equator or the Arctic Circle. In fact, Stony Brook's location gives you even more to explore. Its 1,100 wooded and landscaped acres, which include the Ashley Schiff Nature Preserve, are only fifteen minutes from the shores of Long Island Sound, and just an hour and a half from New York City — life's greatest university. You can step from the campus into the town of Stony Brook itself, which looks more like a classic New England village than nearly all of the most charming small towns in Vermont.

Not far to the southeast are the famous beaches of Southampton, summer haven to New York City's rich and famous. Between here and there is a Long Island

that few outside the region have ever experienced: farmland and pastures long a source of sustenance for the region. To the west, on the fast lane to New York City, is a belt of high technology industry that rivals Silicon Valley and Boston, home to Computer Associates, Grumman, and dozens of other builders of America's technological might.

There could be no better place to find a home for the next four years. And it's a home that's easy to reach from the one you'll be leaving behind when you set out for college. The Stony Brook campus is actually a stop on the Long Island Rail Road, which connects to Pennsylvania Station in New York City; fifteen minutes from the Long Island Expressway, with connections to I-95 to Connecticut and points north, and New Jersey and points south; twenty minutes from MacArthur Airport, served by USAir, Delta, American, and several other major airlines; and fifteen minutes from the ferry to Connecticut (a 90 minute sail across Long Island Sound to Bridgeport).

It's a great place to visit, and you'd even want to live here.



Stony Brook guarantees housing for any freshman who wants to live on campus. More than 6,000 students live in the 26 residence halls and two apartment complexes. Students can choose between corridor-style double rooms and suites that group several bedrooms with a common living room and bathroom. Most residence halls are co-ed, with men and women on alternating floors; suites are designated male or female.

The Commuter Student Association has a special place to meet, socialize, or study before, between, or after classes. Centrally located in the Stony Brook Union, it gives commuter students the chance to participate more fully in on-campus life.



The Staller Center for the Arts, home of the University's Music, Theatre Arts, and Art Departments, stages student productions, world-class professional performances, and the Summer Theatre and Arts Festival. In addition to performing, students work in the box office, maintenance office, technical departments, house management, ushering, and concessions.

Campus Life Time is a free period every Wednesday afternoon during which students are encouraged to attend club meetings and become more involved in extracurricular activities.





Stony Brook's 105 buildings, including 26 residence halls, and 12 athletic fields, cover about two square miles of rolling fields, green lawns, and carefully tended flower beds, not much more land than a medium-sized town. But the size of the campus or the extent and nature of its physical assets by no means define the scope of its intellectual realm.

The work of Stony Brook and the other great research universities that share its mission and purposes extends from the outer reaches of space to the sub-atomic particles that make up all matter;

A **UNIVERSE** IN 1,100 ACRES

from the limitless frontiers of the human mind to the constraints imposed on all human organizations by the responsible use of our planet's natural resources. Every avenue of inquiry, every idea, every possibility, every flight of imagination, every spark of creativity, every hope for the human race resides in this place.

Courses, laboratories, residence halls, libraries, athletic fields, and all the other resources of the university are but the means to give this intellectual realm a place to grow and expand. In the remaining pages, we outline the scope and nature of the resources in this universe of learning.

As a major university, Stony Brook offers a wide range of degree options. Undergraduates can study in six schools that encompass the major areas of learning:

College of Arts and Sciences with fields of study in Physical and Biological Sciences and Mathematics, Humanities and Fine Arts, and Social and Behavioral Sciences;

School of Allied Health Professions with upper division programs in Physical Therapy, Physician Assistant Education, and Respiratory Care, and a four-year program in Medical Technology;

School of Nursing with four-year and upper division programs in Nursing;

School of Social Welfare with an upper division program in Social Work;

College of Engineering and Applied Sciences with programs in Engineering and Applied Sciences; and

W. Averell Harriman School for Management and Policy with four-year and upper division programs in Business Management.

UNDERGRADUATE MAJORS

Stony Brook offers bachelor of arts, bachelor of science, and bachelor of engineering degrees in 47 programs. Majors marked with an asterisk (*) are ranked by *The Gourman Report* among the top 50 programs in the nation. Minors are offered in those disciplines marked with a circle (•).

Africana Studies, B.A. •

Anthropology, B.A. •

Applied Mathematics and Statistics, B.S. •

Art History and Criticism, B.A. •

Astronomy/Planetary Science, B.S.

Atmospheric Sciences/Meteorology, B.S.

Biochemistry, B.S. •

Biology, B.S. • •

Business Management, B.S. •

Chemistry, B.A., B.S. •

Comparative Studies in Literature, B.A. •

Computer Science, B.S. • •

Earth and Space Sciences, B.A.

Economics, B.A. •

Electrical Engineering, B.E. •

Engineering Chemistry, B.S.

Engineering Science, B.E. •

English, B.A. • •

French Language and Literature, B.A. •

Geology, B.S. • •

Germanic Languages and Literature, B.A. •

History, B.A. • •

Humanities, B.A.

Information Systems, B.S.

Italian Language and Literature, B.A. •

Linguistics, B.A. •

Mathematics, B.S. • •

Mechanical Engineering, B.E.

Medical Technology, B.S.

Multidisciplinary Studies, B.A.

Music, B.A. •

Nursing, B.S. •

Philosophy, B.A. •

Physical Therapy, B.S. •

Physician Assistant, B.S.

Physics, B.S. •

Political Science, B.A. •

Psychology, B.A., B.S. •

Religious Studies, B.A. •

Respiratory Care, B.S.

Russian Language and Literature, B.A. •

Social Sciences, B.A.

Social Work, B.S.

Sociology, B.A.

Spanish Language and Literature, B.A. •

Studio Art, B.A. •

Theatre Arts, B.A. •

INTERDISCIPLINARY PROGRAMS

Africana Studies

Comparative Studies in Literature

Engineering Chemistry

Humanities

Multidisciplinary Studies

Religious Studies

Social Sciences

MINORS

Child and Family Studies

Chinese Studies



Classical Civilization

Dance

Design

Health and Society

Human Sexual and Gender Development

International Studies

Japanese Studies

Journalism

Judaic Studies

Korean Studies

Marine Sciences

Materials Science

Media Arts

Medieval Studies

Middle Eastern Studies

Socio-Legal Studies

Technology and Society

Women's Studies

SPECIAL PROGRAMS AND SERVICES

Stony Brook provides many services to support students' specific academic and personal needs and goals. These include:

Calculus Resource Room
 Career Development Office
 Center for Academic Advising
 Collegiate Science and Technology Entry Program (C-STEP)
 Computing Services
 Disabled Student Services Educational Opportunity Program
 Engineering and Applied Sciences Undergraduate Student Office

Federated Learning

Communities

Honors College

Internships

Living/Learning Centers

Marine Sciences

Research Center

Mathematics Learning Center

Mentor Program

Minority and Women

Research Apprenticeship

Program (MWRAP)

National Student Exchange

Returning Student Services

Scholars for Medicine

Study Abroad

Teacher Certification

Undergraduate Evening Studies

Undergraduate Research

and Creative Activities

Program (URECA)

Writing Center

CO-CURRICULAR ACTIVITIES

The center of student life at Stony Brook is the Stony Brook Union, the home to more than 200 clubs and organizations, six eateries, student government, the radio station, and campus newspapers. The Union schedules hundreds of events each year, including popular and classic films, major concerts, dances, and art exhibits.

CLUBS AND ORGANIZATIONS

It would be impossible to list all of the activities on the Stony Brook campus because there is so much going on every day. But the list below shows the kinds of groups that sponsor events regularly.

Adagio Theater
 African American Students
 Alpha Epsilon Delta
 (Honor Society for Prehealth Professions)
 Asian Students Association
 Astronomy Club

Athletic Training Club
 Biochemistry Society
 C.E.A.S. Student Association
 Campus Crusade for Christ
 Caribbean Student Organization
 Chinese Association
 Club for the World
 Club India
 Committee on Cinematic Arts (COCA)
 Computer Science Society
 Cycling Team
 Economic Society
 Education & Research on Sexuality (EROS)
 Eta Kappa Nu (National Honor Society, Electrical Engineering)
 Fencing Club
 Golden Key National Honor Society
 Gospel Choir
 Haitian Student Organization
 Hellenic Society
 Hillel Student Club
 Ice Hockey Club
 Institute of Electrical & Electronic Engineers, Inc.
 Iranian Cultural Club
 Italian Cultural Society
 Judo Club
 Korean Student Association
 Latin American Student Organization
 Lesbian, Gay & Bisexual Alliance
 Matruska-Russian Club
 Medieval Guild
 Minorities in Engineering & Applied Sciences
 Minorities in Medicine
 Pakistan Students Organization
 Phi Kappa Delta (International Law Fraternity)
 Physics Society
 Pre-Med Society
 Pre-Physical Therapy Association
 Pre-Veterinary Club

Psi Chi National Honor Society of Psychology
 Residence Hall Association (RHA)
 Rightfully Opposed Apartheid & Racism (ROAR)
 Roth Quad Yacht Club
 Rugby
 Russian Club
 Sailing Club
 Scholastic Achievement Incentives of Non-Traditional Student (SAINTS)
 SCOOP (Student Cooperative)
 Society of Automotive Engineers
 Society of Professional Journalists
 Society of Women Engineers
 Specula Yearbook
 Student Association of the State University (SASU)
 Students Against Drunk Driving (SADD)
 Tau Beta Pi (National Engineering Honor Society)
 Tau Delta Phi
 Undergraduate Biochemistry Society
 Undergraduate Literary Society
 UNITI Cultural Center
 Vietnamese Students Association
 Volunteer Ambulance Corps
 Volunteers Involved Together in Action for Life (VITAL)
 WUSB-FM

GREEK LIFE

Fraternalities and sororities are part of the culture at Stony Brook. All of the 28 fraternalities and sororities are governed by a central board called the Inter-Fraternity Sorority Council (IFSC). The Department of Student Union and Activities works closely with each group to ensure that fraternality and sorority members have



opportunities to develop their leadership skills through program planning and community service.

ATHLETICS

Stony Brook sponsors 20 NCAA varsity sports. Women's soccer and men's lacrosse are currently Division I sports, and there is a plan to elevate all others to Division I competition (with football going to Division I AA). There are also many club and intramural sports for students who want to stay active in athletics without competing at the intercollegiate level.

The Stony Brook Indoor Sports Complex is considered the best facility of its kind on Long Island. It includes a 5,000-seat arena that is used for basketball and volleyball games as well as lectures, concerts, and other major university events; an indoor track; squash courts; team rooms; and a training room. Other features include a gymnasium, swimming pool, racquetball courts, weight rooms, dance studio, exercise room, and three multipurpose courts for volleyball, badminton, or indoor soccer. Outdoors are fields for soccer, baseball, softball, football, and lacrosse, an outdoor track, and 24 tennis courts.

VARSITY SPORTS

Women's:

- Basketball
- Cross Country
- Soccer
- Softball
- Swimming
- Tennis
- Track (indoor and outdoor)
- Volleyball

Men's:

- Baseball
- Basketball
- Cross Country
- Football
- Lacrosse
- Soccer
- Squash
- Swimming
- Tennis
- Track (indoor and outdoor)

Club Sports:

- Bowling
- Cycling
- Gymnastics
- Horseback Riding
- Ice Hockey
- Sailing

Intramural Sports:

- Basketball
- Beach Volleyball
- Flag Football
- Golf
- Handball
- Paddleball
- Racquetball
- Running
- Soccer (indoor and outdoor)
- Softball
- Squash
- Tennis
- Volleyball
- Wallyball
- Wiffleball



ADMISSIONS INFORMATION

If you are excited about the possibilities of learning in a leading university and eager to study with faculty and other students who share your excitement, we encourage you to apply for admission, and we invite you to visit our campus to discover for yourself all that Stony Brook has to offer. Students from every part of the State of New York and across the nation and around the world come to Stony Brook in search of a challenging and rewarding education, and it is likely you will find many other students as eager as you to make the most of college.

You should know that Stony Brook is a selective institution, that is, it has many more applicants than places for freshmen and transfers. This means that admission is competitive and that your record will be compared with those of other qualified applicants. However, we know that each student's secondary school record and experience reflects a wide diversity of factors, including the quality and depth of the curriculum offered by your high school, the difficulty of the courses you have taken, and even your circumstances at home. A professional counselor, sensitive to all of these factors, will review your application carefully, weighing your grades and test scores with other evidence of your talents and abilities. We admit students that we conclude have the greatest potential to benefit from what the University offers and who will, in turn, contribute to the quality of life on the campus.

To Apply as a Freshman

An application for admission is enclosed with this publication. Applications are also available from your high school guidance counselor. If you plan to apply, your first step is to complete the application and submit it to The Application Processing Center (APC) in Albany. Stony Brook makes admission decisions on a "rolling" basis, that is, as completed applications are received. Applications for *fall semester admission are accepted by APC on a rolling basis until July 10*, and for the *spring semester until December 31*. However, since places in the freshman class are limited and applications for campus housing and financial aid have strict deadlines, it is in your interest to submit your application early, preferably before the end of January for fall admission and by November 1 for spring. Your application will be forwarded from APC to Stony Brook once it has been processed. Admissions' decisions are made within four to six weeks of receiving all your credentials, including transcripts, test scores, and counselor recommendations. Notification of admissions decisions for fall begins in mid-January; spring admissions notification is on a rolling basis.

While there is some flexibility to Stony Brook's admission criteria, the following guidelines are used for student's entering the University after graduation from high school. You must have:

- A high school diploma (a Regents diploma is preferred for New York residents).



- A high school academic average of at least 85.
- SAT composite score of 1000 or an ACT composite score of 25.
- Success in a high school course of study that includes three to four units of mathematics (four units are required for engineering), four units of English, four units of social studies, and three units of science (four units for Engineering).
- Two letters of recommendation from your counselors and/or teachers.

Students who show evidence of leadership, special talents or interests, and other personal qualities through extracurricular activities, volunteer work, and other non-academic pursuits will receive special consideration.

The following programs have additional requirements for admission: engineering, computer science, information systems, applied mathematics and statistics, and health sciences. Only a limited number of students are admitted to these programs as freshmen. If you are interested in one of these programs, you may be accepted to the University and asked to apply to the program at a later date. Students do not need to declare a major until the end of their sophomore year.

To Apply as a Transfer

We regard as a transfer student anyone who previously has been registered at an accredited college or university after graduating from high school (including summer and part-time study). To apply as a transfer, you will need a grade point average of at least 2.5 (C+).

Transfer applicants are requested to send all college transcripts directly to the Office of Undergraduate Admissions at Stony Brook. If you have earned fewer than 24 college credits, you must also submit a high school transcript. While you are asked to submit transcripts directly to Stony Brook, you should send the application and fee to SUNY's Application Processing Center (APC). Applications for *fall semester admission are accepted by APC on a rolling basis until July 10*, and for the *spring semester until December 31* (except for Health Sciences Center Programs, which have varying deadline dates). However, since spaces are limited and applications for campus housing and financial aid have strict deadlines, it is in your interest to submit your application early, preferably before the end of January for fall admission and the end of October for spring. Your application will be forwarded from APC to Stony Brook once it has been processed. Admissions decisions are made within four to six weeks of receiving all your credentials. Notification of admissions



decisions for fall begins in mid-January; spring admissions notification is on a rolling basis.

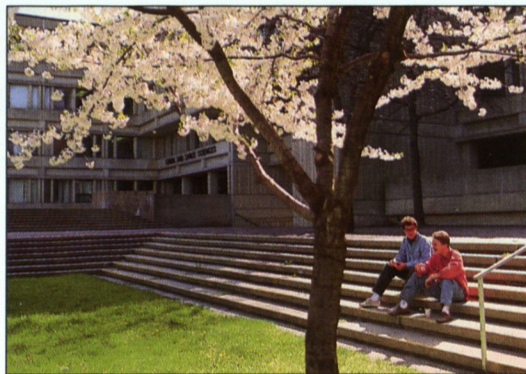
Stony Brook and the SUNY system are committed to accepting associate degree (A.A. and A.S.) recipients from community, agricultural, and technical colleges within the SUNY system, as well as recipients of the same degrees from institutions within the City University of New York (CUNY) system. While admission to SUNY is guaranteed, it may not necessarily be to the program or campus of first choice.

Joint Admissions

Stony Brook offers joint admissions programs with the State University College of Technology at Farmingdale and Nassau and Suffolk Community Colleges. Joint admissions allows students to spend their first two-years at a smaller, two-year school while being assured of admission to Stony Brook after completing their A.A. or A.S. degree and receiving special advising to ease the transfer process. Joint admissions is available in the College of Arts and Sciences, the College of Engineering and Applied Sciences, and the Harriman School for Management and Policy.

Equal Opportunity Program (EOP)

Students in historically disadvantaged ethnic groups who otherwise may not have the opportunity to attend college can apply to Stony Brook through the Equal Opportunity Program. Each year, more than 100 EOP students are admitted and receive special academic and personal counseling, tutoring, and financial assistance.



To apply for EOP admission, you may submit either the Stony Brook or the general SUNY application. You will receive an income verification form from our Financial Aid Office that must be completed and returned. If you are currently enrolled at another institution through SEEK, HEOP, or EOP, you can apply for EOP admission to Stony Brook by following the general instructions for transfer students listed above.

EOP admission is based on both academic and economic factors. Students should have:

- A high school diploma.
- A high school academic average of 80 to 84.9.
- SAT composite score of 750 (with a minimum verbal score of 350 or a TOEFL score of 550).
- A high school course of study that includes three to four units of mathematics, four units of English, four units of social studies, and three units of science.

Individual consideration is given to each application, and our Office of Financial Aid and Student

Employment reviews household income and family size information to determine economic eligibility according to the guidelines established by New York State. To qualify, you must have been a New York resident for at least one year and be either a citizen or a permanent resident of the United States.

International Students (F-1 and J-1 Visas)

As an internationally recognized intellectual center, Stony Brook receives numerous applications each year from foreign students. More than 100 nations are represented by students in our undergraduate, graduate, and professional programs.

To be considered for admission to Stony Brook as a foreign student, you must submit:

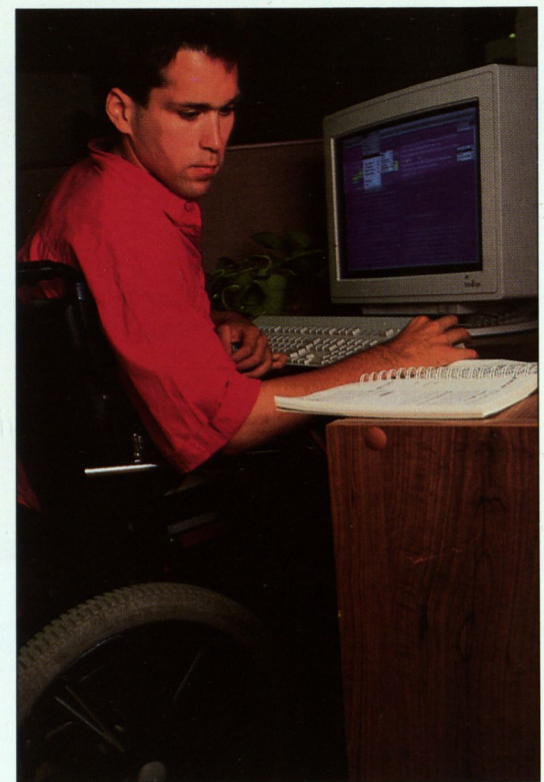
- Official or certified records/transcripts showing secondary school and college courses (with grades and an explanation of the marking system) written in both the original language and English. Your records must reflect academic achievement equal to a cumulative academic index of 85 (B average) when converted to the American system's grading scale. If you are transferring from an American college or university, you must have at least a 2.5 (C+) grade point average.
- Proof of proficiency in English, demonstrated by a minimum TOEFL score of 550, minimum SAT verbal score of 350, or certification of successful completion of an intensive English language program within the United States, such as that offered at Stony Brook by the Intensive English Center.
- An international Student Financial Affidavit verifying ability to pay \$17,900 for each year at Stony Brook. You and your family must assume full responsibility for expenses. *Financial aid is not available for F-1 or J-1 visa students.*
- An application fee of \$25 in American currency, payable to SUNY-APC, and the application for admission. Deadlines for receipt of applications are May 1 for fall admission and October 1 for spring admission. *Deadline dates cannot be extended.*

For further information and an international student application, please write to:

International Admissions Advisor
Office of Undergraduate Admissions
University at Stony Brook
Stony Brook, NY 11794-1901

Undergraduate Evening Studies

Another option for continuing your education is to study in Stony Brook's Undergraduate Evening Studies Program. Matriculated admission to the University in this program is geared toward those who have already completed two or more years of college studies and intend to complete their bachelor's degree at Stony Brook. Application procedures are the same as those for day students. A wide array of evening classes, taught by our faculty, are offered for those whose work, child-care, or other responsibilities make attendance during the day difficult.



STONY BROOK CAMPUS DIRECTORY

If you would like more information about any aspect of a Stony Brook education, we invite you to call the appropriate telephone number listed below. (Area Code 516)

Admissions Office:
TEL: 632-6868 FAX: 632-9027

Campus Residences:
632-6750

Disabled Student Services:
632-6748

EOP/AIM:
632-7090

Financial Aid and Student Employment:
632-6840

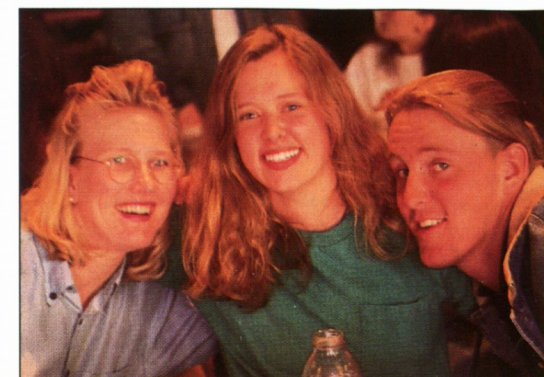
Health Sciences Center Student Services:
444-2111

Intercollegiate Athletics:
632-7200

Staller Center for the Arts:
632-7235

Undergraduate Evening Studies:
632-7080

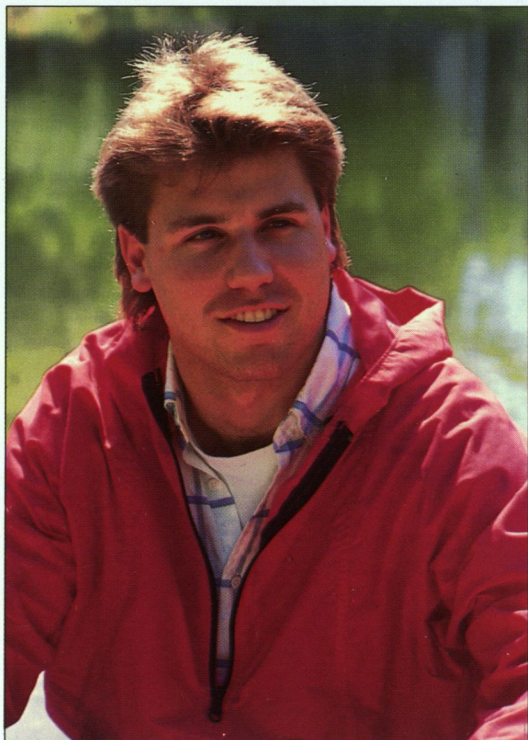
University General Information:
689-6000



TUITION AND FINANCIAL AID

The chart below indicates the projected costs for a full-time student at Stony Brook during the 1994-95 academic year.

Stony Brook's relatively low tuition makes attending the University an extraordinary value. Because of its affordability, most students are, in fact, able to attend Stony Brook without accumulating enormous debt, as would be the case at many private institutions and out-of-state public universities. Even for students coming to the University from outside New York State, Stony Brook is an excellent value in comparison to public and private universities in other states.



To assist students who do need financial aid to attend Stony Brook, a generous program of assistance is available through federal, state, and University resources. Stony Brook's Office of Financial Aid and Student Employment administers three basic categories of aid: loans, employment opportunities, and grants. Loans usually carry some form of interest payment and must be paid back to the lender (although the interest may be deferred). Employment opportunities afford the student the chance to earn money to help subsidize educational expenses. Grants, which include scholarships, do not have to be repaid.

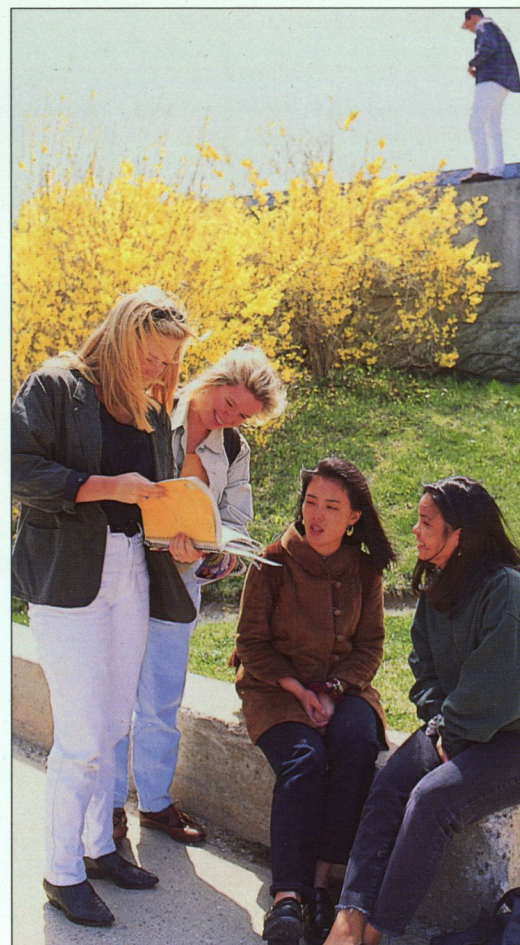
To apply for aid administered by the University, you and your parents must complete a current Free Application for Federal Student Aid (FAFSA), available from your guidance counselor, as well as a Stony Brook Financial Aid Application, available through Stony Brook's Office of Financial Aid and Student Employment. To apply for New York State tuition aid, you need to file the FAFSA and a Tuition Assistance Program (TAP) application. Freshmen and transfer applicants should submit financial aid forms as soon after January 1 as possible for the following year.

If you think you will need financial assistance to attend Stony Brook, take the time now to discuss your needs with your guidance counselor and your parents or guardians and be sure you fill out and submit the appropriate financial aid applications. Our financial aid counselors consider more than just income in determining your eligibility for assistance. Family size (total number of dependents) and number of family members in college enter into the evaluation process. If you have any questions about your eligibility or how to apply for financial assistance, you or your parents can speak to a counselor in the Office of Financial Aid and Student Employment at (516) 632-6840. Students applying to the Health Sciences Center should call (516) 444-2111.

Stony Brook has a philosophy of encouraging excellence that includes demonstrating a willingness to reward it. This commitment to excellence shows in the full- and partial-tuition merit scholarship programs we offer qualified students. These include Honors College, Freshman Competitive, and Empire State Minority Scholarships, ranging up to full New York State tuition support for students with outstanding academic records.

Honors College Scholarships - All students accepted to the Honors College are awarded \$2,000 scholarships for their first year of study. Renewal is contingent upon academic performance and available funding. The most meritorious Honors College students are awarded scholarships to cover the full cost of New York state tuition for four years.

Freshman Competitive Scholarships - Stony Brook offers a competitive scholarship exam for students with qualifying academic credentials. Testing is held both on campus and at a location in upstate New York. Freshman scholarship awards are \$1,500 for one year.



Empire State Minority Scholarships - Students who are members of underrepresented minority groups and demonstrate both academic merit and financial need are eligible for these four-year scholarships.

For further information on any of these scholarship programs and to find out testing dates and locations for the competitive exam, contact your high school's guidance office or Stony Brook's Undergraduate Admissions Office at (516) 632-6868.

ESTIMATED AVERAGE EXPENSE 1994-95 Projected for full-time students (at least 12 credits)*			
	A New York State resident living on campus	A New York State resident commuting from home**	An Out-of-State student living on campus
* TUITION	\$2,650	\$2,650	\$6,550
FEES	292	292	292
ROOM & BOARD OR EXPENSES	4,698	1,500	4,698
BOOKS & SUPPLIES***	750	750	750
MISCELLANEOUS***	1,120	1,120	1,120
TRANSPORTATION***	600	1,928	600
	\$10,110	\$8,240	\$14,010

* Fees & charges are annual and in accordance with the Board of Trustees of the State University of New York and are subject to change without notice.
 ** A Student not living at home but renting an apartment or sharing a house can expect to pay significantly more than the room and board for on-campus living.
 *** These costs may vary depending on academic program and personal circumstances.

Stony Brook Curriculum Code Numbers

Use these codes to complete the SUNY College Choice part of the application form.¹

MAJORS: Programs marked (*) also offer minors

0345 Africana Studies*
 0301 Anthropology*
 0397 Applied Mathematics & Statistics*
 0273 Art History & Criticism*
 0842 Astronomy/Planetary Sciences
 0311 Atmospheric Science/Meteorology
 0387 Biochemistry
 0313 Biology*
 0288 Business Management*
 0316 Chemistry
 1085 Comparative Studies in Literature*
 0286 Computer Science*
 0718 Earth & Space Sciences
 0322 Economics
 0266 Electrical Engineering
 0246 Engineering Chemistry
 0222 Engineering Science
 0323 English*
 0324 French*
 0327 Geology*
 0328 German*
 0329 History*
 0243 Humanities
 0095 Information Systems
 0330 Italian*
 0332 Linguistics*
 0334 Mathematics*
 0268 Mechanical Engineering
 0290 Medical Technology²
 1077 Medical Technology
 (Upper Division)^{†,2}
 0214 Multidisciplinary Studies
 0335 Music*
 0192 Nursing (part-time R.N. only)^{†,2,3}
 0291 Nursing^{†,2}
 0340 Philosophy*
 0294 Physical Therapy^{†,2}
 0252 Physician's Assistant Education^{†,2}
 0342 Physics
 0343 Political Science*
 0347 Psychology
 0388 Religious Studies*
 0251 Respiratory Care^{†,2}
 0349 Russian*
 0351 Social Sciences
 0298 Social Welfare/Work^{†,2}
 0352 Sociology
 0353 Spanish*
 0177 Studio Art*
 0356 Theatre Arts*

OTHER MINORS

0788 Child & Family Studies
 0112 Chinese Studies
 0317 Classical Civilization
 0339 Dance
 0390 Design
 0723 Health & Society
 0085 Human Sexual and
 Gender Development
 0844 International Studies
 1024 Japanese Studies
 0760 Journalism
 0300 Judaic Studies
 0737 Korean Studies
 0255 Marine Sciences
 0191 Materials Science
 0193 Media Arts
 0136 Medieval Studies
 0739 Middle Eastern Studies
 0138 Socio-Legal Studies
 0215 Technology & Society
 0741 Women's Studies

OTHER AREAS OF STUDY: *These are concentrations within majors or minors.*

0853 Anthropology, Cultural
 0091 Anthropology, Physical
 0793 Archaeology
 0713 Astrophysics
 0843 Computer Engineering
 0800 Geological Oceanography

Teacher Preparation and Certification in:

0127 Biology (7-12)
 0128 Chemistry (7-12)
 0131 Earth Science (7-12)
 0120 English (7-12)
 0122 French (7-12)
 0123 German (7-12)
 0130 Italian (7-12)
 0126 Mathematics (7-12)
 0129 Physics (7-12)
 0137 Russian (7-12)
 0125 Social Studies (7-12)
 0124 Spanish (7-12)
 0228 Teaching English to Speakers of
 other languages (K-12)

GENERAL STUDY AREAS: If you don't yet know exactly the subject in which you would like to major, but you do know the general field you would like to pursue, you may put any one of the following in the curriculum code section of the application. **If you are entirely UNDECIDED about general field or subject, please use the code 0 0 0 0.**

0863 Biological Sciences
 0864 Business & Management
 0866 Computer and Information Science
 0868 Engineering
 0869 Fine & Applied Arts
 0870 Foreign Languages
 0873 Interdisciplinary Studies
 0874 Letters
 0875 Mathematics
 0876 Physical Sciences
 0877 Psychology
 0879 Social Sciences
 0880 Theology

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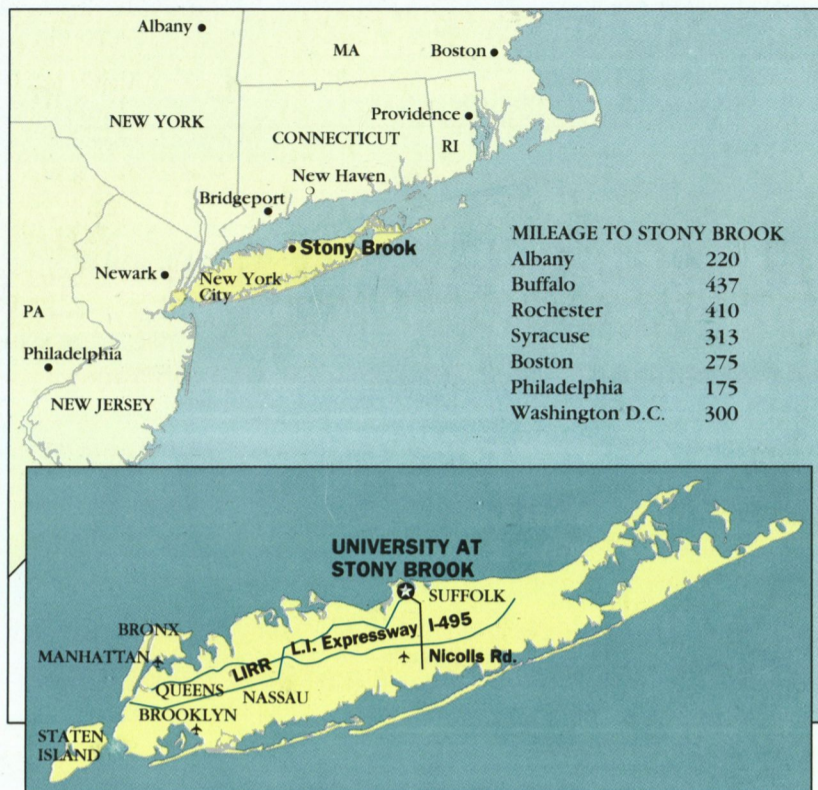
State University of New York
at Stony Brook

¹ If applying to another SUNY campus, you may have to refer to the SUNY Application Guidebook for more complete curriculum choices.

² This is a Health Sciences Center program; applicants must contact the Office of Student Services (516-444-2111) at Stony Brook's Health Sciences Center for required supplemental application form.

³ B.S./M.S. program at Stony Brook is open to associate and diploma R.N.s.

[†] Upper division; September transfer only.



TRAVELING TO STONY BROOK

If traveling by car, the most direct route is to take the Long Island Expressway to exit 62, Nicolls Road (Route 97). Follow Nicolls Road north for nine miles to our main entrance on the left. Stony Brook also can be reached by the Long Island Rail Road, bus, ferry, and by flights into Islip Airport.

For complete directions and information, write or call:

Office of Undergraduate Admissions
 118 Administration Building
 SUNY Stony Brook
 Stony Brook, New York 11794-1901

(516) 632-6868
 FAX (516) 632-9027

Stony Brook is an affirmative action/equal opportunity educator and employer.
 This publication is available in alternative format upon request.