



**Stony Brook  
University**

## Premedical Studies

Preparing for Medical School

From its beginnings more than a half-century ago, Stony Brook University has been characterized by innovation, energy, and progress, transforming the lives of people who earn degrees, work, and make groundbreaking discoveries here. A dramatic trajectory of growth has turned what was once a small teachers college into an internationally recognized research institution that is changing the world

Today Stony Brook is one of only 62 members of the prestigious, invitation-only Association of American Universities and the London *Times Higher Education World University Rankings* lists Stony Brook in the top 1 percent of the world's universities.

### THE U.S. DEPARTMENT OF LABOR'S BUREAU OF LABOR STATISTICS

states that employment of physicians and surgeons is expected to grow by 24 percent from 2010 to 2020, faster than the average for all occupations. Job growth will occur because of the continued expansion of healthcare-related industries. The growing and aging population is expected to drive overall growth in the demand for physician services as consumers continue to seek high levels of care that uses the latest technologies, diagnostic tests, and therapies.

### Excel

Students are often surprised to learn that there's no preferred major for students seeking entrance to medical school. Medical schools are far more interested in academic excellence than choice of major. Consequently, at Stony Brook you'll be advised to major in what you like and want to learn more about. Stony Brook offers more than sixty majors, making it easy for you to find the program that suits you. The important thing is to select a major based on your interests and aptitudes; your grades will be better and you will be a happier person for it. Whatever you do, be sure to take a balanced program. If your major is in the natural or physical sciences, it's a good idea to complement this with a minor in the humanities or social sciences and vice versa.

### Prepare

While medical schools accept all kinds of majors, they also expect applicants to have successfully completed certain "premed" courses. Stony Brook's premed courses are recognized for their rigor and provide excellent preparation for the Medical School Admission Test



*continued on next page*

continued from cover text

(MCAT). In general, those applying to doctoral level programs in medicine, osteopathy, dentistry, and veterinary medicine are expected to complete the following courses before applying to a professional school:

- One year of general biology with laboratory
- One year of general chemistry with laboratory
- One year of organic chemistry with laboratory
- One year of physics with laboratory
- One year of English
- One year of college-level mathematics, including at least one semester of calculus

NOTE: AP credit (usually a 4 or 5) may exempt you from one or another of these courses; if so, you'll want to take a year of course work in that discipline at a higher level.

## Connect

*With other students...* Stony Brook's premed students form study groups in the "premed" classes and through participation in the Stony Brook chapter

of Alpha Epsilon Delta—the national premedical honor society, the Premedical Society, and Minorities in Medicine. Together these groups sponsor many events for students interested not only in medicine, but in other graduate health professions as well.

*With advisors...* Stony Brook's Academic and Pre-Professional Advising Center has trained health professions advisors ready to provide you with the guidance and information you need to prepare for a future in medicine. They have information about selecting health careers, employment projections, which pre requisite courses to take and when to take them, health-related clubs on campus, professional exams, volunteer work, and summer programs. You may want to review the prehealth website at [www.stonybrook.edu/healthed](http://www.stonybrook.edu/healthed). All enrolled students receive the Please Be Advised e-mail, distributed biweekly, which contains valuable information on academic policies as well as pre-health programs and events. Premedical advising is available to sophomores, juniors and seniors on a regular schedule in the Academic and Pre-Professional Advising Center.

## Explore

There is a synergy between research and classroom learning. Research enables you to engage in hands-on, discovery-based learning and to develop critical skills as you examine a subject in collaboration with outstanding scientists and scholars. It also can provide you with an appreciation of the challenges in medicine and biomedical research and close interaction with faculty.

As a major research university, Stony Brook offers enormous opportunities for you to participate in research as a undergraduate. You can learn about scientific investigation by meeting with the faculty member who is the undergraduate research liaison for the department in your area of interest. You can also become involved in one of Stony Brook Medicine's many research projects. Several funding opportunities are available to assist undergraduates in their research and creative activities, including URECA Summer Fellowships, Howard Hughes Medical Institute, Undergraduate Research Fellowships, Simons Fellowships, and RAIRE Summer Fellowships.







## Experience

Opportunities abound for undergraduates to obtain clinical experience by joining the Stony Brook Volunteer Ambulance Corps and at Stony Brook University Hospital through volunteer work and internships.

Stony Brook's Internship Program also allows students to participate in on-site work experience in an area related to their interest while earning credit. Certain criteria apply for acceptance into the Internship Program; individual faculty members also may set specific criteria for enrolling in a research course under their direction.

## Pursue

Name your passion; you'll find it at Stony Brook. Cultural and religious groups, intramural and varsity sports, sororities and fraternities, and student newspapers and magazines abound. And, with its own radio station and nearly 300 student interest clubs and organizations as diverse as the Cycling Club, the Science Fiction Forum, the USB Equestrian Team, and the Ballroom Dance Club, you'll have your pick of fun and worthwhile activities.

Substantial participation in an activity is important and when applying to medical school you'll be asked to explain why you

chose a particular activity. Be sure to select an activity because of your interest in it and don't try to join a half dozen clubs.

## Succeed

All medical schools require not only letters of recommendation, but also an institutional evaluation. Stony Brook's Faculty Committee on Health Professions coordinates this important process through the Academic and Pre-Professional Advising Center. Even though the number of applicants to medical school has dropped in recent years, the acceptance numbers have been getting more competitive nation-wide, with the grades and MCAT scores of accepted students continuing to nose upwards. It is also predicted that, after a long decline, the number of people applying to medical school is going to increase.

Stony Brook's Faculty Committee on Health Professions is pleased to note that Stony Brook students who apply to schools of the health professions tend to do quite nicely. 69% of first-time applicants applying to enter M.D. programs in the United States for 2013 with a cumulative science and math grade point average of 3.5 or above and an MCAT score of 30 or above were accepted. It is important to keep in mind, however, that

you will be accepted to a school of the health professions as an individual, not as a statistic.

Other qualifications medical admissions committees examine in addition to GPA and MCAT scores include: accomplishments, intellectual curiosity, emotional maturity, character, interest in medicine, sensitivity to others, communication skills, critical thinking and problem-solving skills, sense of caring for others, and commitment to service.

[www.stonybrook.edu/admissions](http://www.stonybrook.edu/admissions)



Priority Application Deadline:  
**January 15**

E-mail: [enroll@stonybrook.edu](mailto:enroll@stonybrook.edu)  
Phone: (631) 632-6868

## U.S. Medical Schools Accepting Stony Brook Applicants To MD Programs 2010-2013

Albany Medical College  
 Albert Einstein College of Medicine  
 Bayoor College of Medicine  
 Boston University School of Medicine  
 Case Western Reserve U School of Medicine  
 Columbia University College of Physicians & Surgeons  
 Drexel University College of Medicine  
 Duke University School of Medicine  
 Eastern Virginia Medical School  
 Florida Atlantic University Charles E Schmidt College of Me  
 FIU Herbert Wertheim College of Medicine  
 George Washington University School of Medicine & Health Science  
 Georgetown University School of Medicine  
 Harvard Medical School  
 Hofstra North Shore-LIJ School of Medicine  
 Howard University  
 Indiana University School of Medicine  
 Jefferson Medical College of Thomas Jefferson University  
 Keck School of Medicine University of Southern California  
 Loyola University Chicago Stritch School of Medicine  
 LSU School of Medicine in New Orleans  
 Marshall University Joan C. Edwards School of Medicine  
 Medical College of Wisconsin  
 Meharry Medical College  
 Morehouse School of Medicine

Mount Sinai School of Medicine  
 New York Medical College  
 New York University  
 Northwestern U Feinberg School of Medicine  
 Pennsylvania State University College of Medicine  
 Ponce School of Medicine  
 Quinnipiac U School of Medicine  
 Rosalind Franklin University of Medicine and Science  
 Saint Louis University School of Medicine  
 Southern Illinois School of Medicine  
 Stony Brook University School of Medicine  
 SUNY Downstate Medical Center  
 SUNY at Buffalo Medical School  
 SUNY Upstate Medical University  
 Temple University School of Medicine  
 The Commonwealth Medical College  
 The Ohio State University College of Medicine  
 The University of Miami School of Medicine  
 The University of Toledo College of Medicine  
 The University of Vermont College of Medicine  
 Tufts University School of Medicine  
 UMDNJ-New Jersey Medical School  
 Uniformed Services U of the Health Sciences  
 University of Arizona College of Medicine-Phoenix  
 U of Central Florida College of Medicine  
 University of Cincinnati College of Medicine  
 University of Connecticut

School of Medicine  
 University of Hawaii  
 John A Burns School of Medicine  
 University of Iowa, Carver College of Medicine  
 University of Maryland School of Medicine  
 University of Michigan Medical School  
 University of Nebraska College of Medicine  
 University of North Carolina School of Medicine  
 University of Pittsburgh School of Medicine  
 University of Puerto Rico School of Medicine  
 University of Rochester School of Medicine and Dentistry  
 University of Utah School of Medicine  
 University of Virginia School of Medicine  
 Virginia Commonwealth U School of Medicine  
 Wake Forest University School of Medicine  
 Warren Alpert Medical School of Brown U  
 Washington University School of Medicine  
 Wayne State University School of Medicine  
 Weill Medical College of Cornell University  
 Wright State University  
 Boonshoft School of Medicine

*Note: As a state-supported medical school, the School of Medicine at Stony Brook accepts applicants from all over the state; there is no reserved quota for Stony Brook undergraduates, although typically approximately 10% of the entering class of 100 at the medical school is comprised of Stony Brook applicants.*

