

# STONY BROOK IS FOR SCHOLARS



Honors Programs



# TOP 35 NATIONAL PUBLIC UNIVERSITIES

— U.S. News & World Report

## TOP 100 UNIVERSITIES WORLDWIDE

— Center for World University Rankings

**#1** IN THE  
**WORLD**

— Times Higher Education World University Rankings

**90% freshman retention rate**



## HONORS PROGRAMS FOR SCHOLARS LIKE YOU

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Being a global citizen in today's world demands nothing less than excellence. You have already demonstrated excellence in high school. In the honors programs described in this booklet, you can continue your journey among the world's top scholars and prepare for a successful future in graduate school or employment.

Stony Brook, one of the world's finest universities, offers a variety of programs to challenge, inspire and sustain our most gifted students. Enjoy hands-on, small-group learning with renowned professors at a major research institution that's ranked among the top 1 percent of universities in the world. Discover who you are by taking advantage of our many opportunities for research, leadership, travel and other unique learning experiences.

Indicate your interest in the University Scholars, Honors College, WISE, Scholars for Medicine, Engineering Scholars for Medicine and Scholars for Dental Medicine when you complete the Common Application. Qualified applicants will automatically be considered for the Computer Science Honors Program and Business Honors Program.

## SCHOLARSHIPS

Stony Brook offers a variety of scholarships to new students, some of which are based on merit alone and others that take into account financial need. The majority of our scholarships require no special applications; all admitted students who are academically qualified are automatically considered for the available scholarships. Special scholarships are offered to National Merit Scholarship Competition and Intel Science Talent Research Finalists and Semifinalists, valedictorians and salutatorians.

For more information about our honors programs, scholarships and application procedures, visit **[stonybrook.edu/scholars](https://stonybrook.edu/scholars)**.



**ENVIRONMENTAL STUDIES MAJOR**

ALEXANDRA SANTIAGO HAS PARTICIPATED IN THREE INTERNATIONAL CONFERENCES AND TWO STUDY ABROAD PROGRAMS WHILE AT STONY BROOK.

## UNIVERSITY SCHOLARS THE HONORS COLLEGE WISE (WOMEN IN SCIENCE AND ENGINEERING)

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Admission to the three premier Stony Brook honors programs — the University Scholars, the Honors College and WISE — is very selective. Successful applicants to these programs typically have a minimum unweighted high school average of 93 (on a 100-point scale) or 3.7 (on a 4.0 scale), a minimum combined score of 1300 on the critical reading and math components of the SAT, and a minimum writing score of 600 (or, in lieu of the SAT, a minimum ACT composite score of 29, and a minimum writing score of 28).



## University Scholars

The University Scholars Program is a vibrant community of high-achieving students at Stony Brook. The program allows students to make connections with our world-class faculty, participate in numerous activities and obtain leadership and research opportunities on campus. The purpose is to create a community of learners focused around our three pillars of leadership, scholarship and service.

A four-year program, University Scholars is made up of some of the University's most active student and community leaders. Students admitted into this program are among the top 9 percent of the incoming class academically. Freshmen residing on campus have the option of living with other Scholars in their Quad and enrolling in a Scholars-only section of their first-year seminar course to help foster a greater sense of community. All Scholars are eligible to attend special symposia and field trips, obtain special academic advising throughout their career at Stony Brook, participate in the Scholars Council, join one of three Committees (Academic, Outreach or Social) partake in a variety of outreach activities and have priority registration for classes.

University Scholars are frequently the recipients of prestigious awards such as the SUNY Chancellor's Awards, Undergraduate Recognition Awards, Provost's Awards for academic excellence and a Goldwater Scholarship. About 10 percent of Scholars participate in the Undergraduate Research and Creative Activities (URECA) celebration every year.

Scholars are committed to being active and engaged members of the University community and the community-at-large as well and participate in a number of outreach initiatives.

### **EXAMPLES OF UNIVERSITY SCHOLARS ACTIVITIES:**

- » Medical school: Behind the Scenes
- » Faculty roundtables
- » "Toys for Tots" Charity Ball
- » Student art showcases
- » Presentations by University Scholars students participating in undergraduate research
- » Food drives
- » Valentine's Day card-making event for pediatric oncology patients





**MATHEMATICS AND PHYSICS MAJOR**  
KEVIN SACKEL RECEIVED A PRESTIGIOUS  
CHURCHILL SCHOLARSHIP.





## Honors College

The Honors College is a small community of scholars who share an interest in a broad liberal arts education, work together outside the classroom and want to stretch their intellect and curiosity. With an interdisciplinary learning environment and abundant leadership opportunities, the Honors College prepares students for positions of leadership and for graduate school.

Its distinguished faculty, a wide range of academic choices and the resources of one of the world's top research universities make the Honors College the ideal place for students from diverse backgrounds to forge common interests and make a lasting impact on their communities.

The Honors College has a special curriculum for honors students only, taught by regular members of the faculty in small classes. You will enjoy the opportunity to engage in research and other creative endeavors with our distinguished faculty very early in your career at Stony Brook. This dynamic learning environment transcends the four walls of the classroom and continues in the residential setting. All Honors College students are housed together and are provided priority housing.

This highly selective, seminar-based program enrolls approximately 60 freshmen each year. Its students experience the individual attention and benefits typically found only in small liberal arts colleges while having access to the vast range of academic opportunities available only at a major research university. Highlights include innovative seminars, small classes and leadership opportunities.


### **SAMPLES OF HONORS COLLEGE MINI-COURSES:**

- » Race, Gender and Politics
- » The Science Behind Science Fiction
- » This Course Contains Graphic Language: Semiotics and Comics
- » Great Mysteries and Discoveries of Archaeology

### **HIGHLIGHTS OF THE PROGRAM:**

- » Priority housing and registration
- » Opportunity to work closely with faculty
- » One-on-one guidance
- » Interdisciplinary curriculum
- » Personalized advising
- » Research and creative activity
- » Capstone senior project





**BIOCHEMISTRY MAJOR** LISA HO CREDITS HER WISE UNDERGRADUATE MENTORS AND SMALL STUDY GROUP FOR HELPING HER MEET THE CHALLENGE OF RIGOROUS CLASSES.

## WISE

### (Women in Science and Engineering)

WISE is a unique program designed to encourage talented women interested in math, science or engineering. If you are considering a career in physical sciences, life sciences, computer science, information technology, math, medicine, engineering or a similar field, you will benefit from WISE's special enrichment courses, extracurricular activities and interaction with other like-minded women.

As a WISE scholar, you will pursue a regular academic program, with the addition of courses developed especially for WISE that give you firsthand experience in a variety of disciplines.

The curriculum consists of special courses designed to introduce students to the diversity and multiple opportunities within science and engineering in very personalized ways. Highlights of the program include evening programs, personalized academic advising, advanced priority registration, special residence hall, and small study groups with advanced undergraduate mentors.



The beauty of WISE is that it combines the vast resources of a major university with the close bonds and support of a small community of like-minded students and faculty. Each year, 55 to 60 students are enrolled in WISE.

#### **FIRST-YEAR PROGRAM HIGHLIGHTS:**

- » Freshman seminar (ITS 101)
- » Introduction to Research (WSE 187)
- » Two semesters each of math and science
- » Mentoring sessions

#### **SOPHOMORE YEAR AND BEYOND:**

- » Society and Gender in Science and Engineering (WSE 242)
- » Connections in Science (PHY 311)
- » Advanced math or computer science course
- » Seminars in leadership and mentoring and in professional development
- » Student Leadership Council (SLC)
- » Independent Project in WISE (WSE 487), WISE Internship (WSE 488)
- » Honors thesis or participation in URECA (Undergraduate Research and Creative Activities program)





**SCHOLAR FOR MEDICINE** RUCHI SHAH, A BIOLOGY MAJOR, HAS BEEN INVOLVED IN RESEARCH TO IMPROVE CERVICAL CANCER DIAGNOSIS WITH KENNETH SHROYER, MD, IN THE DEPARTMENT OF PATHOLOGY.

## SCHOLARS FOR MEDICINE ENGINEERING SCHOLARS FOR MEDICINE

## SCHOLARS FOR DENTAL MEDICINE

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Successful applicants to these three programs typically have a minimum unweighted high school average of 95 (on a 100-point scale) or 3.8 (on a 4.0 scale), and a minimum combined score of 1350 on the critical reading and math components of the SAT (the ACT may not be used as a substitute for the SAT).

Stony Brook offers an integrated eight-year program for students interested in attending medical school following their undergraduate degree. The **Scholars for Medicine** track offers selected students in the Honors College and WISE an opportunity to complete a combined Bachelor's/MD while participating in pre-medical classes and activities. The **Engineering Scholars for Medicine** track offers selected students in the College of Engineering and Applied Sciences an opportunity to complete the rigorous training required of all engineers in ABET-accredited programs while participating in pre-med classes and activities. Students accepted into either of these tracks are reserved a seat in Stony Brook's School of Medicine provided they complete all program requirements.

Stony Brook also offers an integrated eight-year program for students interested in attending dental school following their undergraduate degree. The **Scholars for Dental Medicine** program offers selected students in the Honors College an opportunity to complete a combined Bachelor's/DDS while participating in pre-dental school classes and activities. Students accepted into the program are reserved a seat in the School of Dental Medicine provided they complete all of the requirements. U.S. citizenship or permanent residency is required for these programs.



## COMPUTER SCIENCE HONORS PROGRAM

Stony Brook's Computer Science Honors Program is designed to enhance the undergraduate experience for highly motivated and talented students. Students in the program attend some special, limited-enrollment classes, receive personalized academic advising sessions, get priority registration for computer science courses, enjoy a sense of community and fun social events with other honors students and faculty, and take advanced special topics courses.

### PROGRAM HIGHLIGHTS:

- » Specially designed introductory sequences that cover core computer science material at an accelerated pace
- » Advanced courses on selected topics to prepare honors students for their senior research project
- » Small classes taught by experienced faculty
- » Academic advising sessions by the Honors Program Director
- » Priority registration for computer science courses
- » Preferential admission to the joint BS/MS Program in computer science

## BUSINESS HONORS PROGRAM

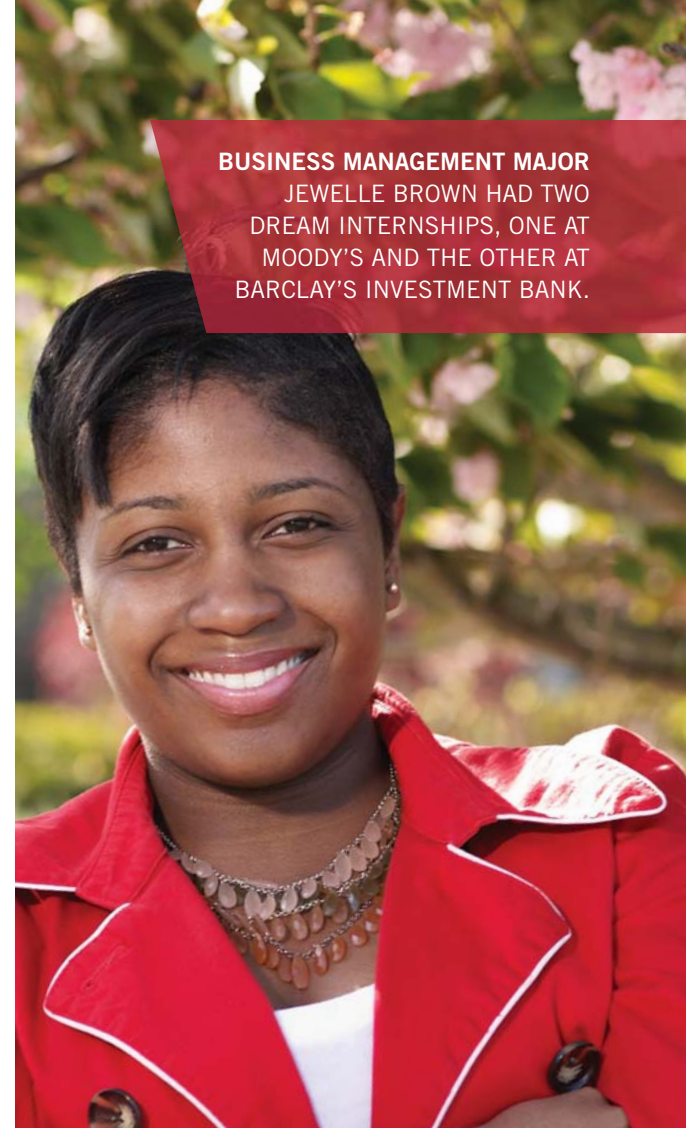
The College of Business offers a path for high-achieving business majors to realize their goals. The Business Honors Program gives students the opportunity to work closely with a faculty member in one-credit seminars throughout their undergraduate journey, and culminates in a senior capstone project. The student can work with a faculty member on a research project, an experiential project with a company, a self-designed entrepreneurial venture or more. Admission requirements are an overall GPA of 3.3 or higher, and successful completion of BUS 115: Introduction to Business (grade B or higher) and WRT 102: Intermediate Writing Workshop.

### PROGRAM HIGHLIGHTS:

- » Small classes to develop business skills through course work and a variety of exciting topics
- » Experiential learning projects designed to connect you with the business community
- » Individualized career guidance and support
- » Internship and study abroad opportunities
- » Frequent guest speakers and trips to the NYSE
- » Priority registration

### BUSINESS MANAGEMENT MAJOR

JEWELLE BROWN HAD TWO DREAM INTERNSHIPS, ONE AT MOODY'S AND THE OTHER AT BARCLAY'S INVESTMENT BANK.





## EXPERIENTIAL LEARNING

At Stony Brook, you can try out your life before you graduate. Our Career Center is a great resource for internship opportunities in nearly every field and can help you find one to match your interests.

Through our award-winning Undergraduate Research and Creative Activities (URECA) program, you can land a research project or REU (Research Experience for Undergraduates) on or off campus. Nearby Brookhaven National Laboratory offers students opportunities to work with scientists making discoveries in physics, photon sciences and nano-materials, climate change and other critical areas.

Give back to your campus and community through a variety of leadership and community service opportunities. Every spring dozens of Stony Brook students help rebuild faraway communities through our Alternative Spring Break Outreach program. They also mentor students, work as EMTs and raise funds for cancer research.

You can experience life and learning someplace else by enrolling in one of our many study abroad programs for a summer or winter intersession, a semester or a year.

## MAJORS AND MINORS

Stony Brook offers more than 200 majors, minors and combined-degree programs. Majors that offer honors programs provide excellent preparation for graduate study and often include a senior project that requires writing a thesis. Qualified students gain admission to honors programs after enrolling.

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**BA** – Major leading to Bachelor of Arts degree

**BS** – Major leading to Bachelor of Science degree

**BE** – Major leading to Bachelor of Engineering degree

• *Majors with honors programs* • *ABET accredited*

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**Accounting**, minor

**Adapted Aquatics**, minor

**Africana Studies**, •BA & minor

**American Studies**, BA & minor

**Anthropology**, •BA & minor

**Applied Mathematics & Statistics**, BS & minor

**Art History & Criticism**, •BA & minor

**Art, Studio**, •BA & minor

**Asian & Asian American Studies**, •BA & minor

**Astronomy/Planetary Sciences**, •BS & minor

**Athletic Training**, BS

**Atmospheric & Oceanic Sciences**, •BS

**Biochemistry**, •BS

**Bioengineering**, minor

**Biology**, •BS & minor

**Biomaterials**, minor

**Biomedical Engineering**, •BE

**Business Management**, •BS & minor

**Chemical & Molecular Engineering**, •BE

**Chemistry**, •BS, BA & minor

**China Studies**, minor

**Cinema & Cultural Studies**, •BA & minor

**Civil Engineering**, BE

**Classical Civilization**, minor

**Clinical Laboratory Sciences**, BS



**Coastal Environmental Studies**, BS & minor

**Community Service Learning**, minor

**Comparative Literature**, •BA & minor

**Computer Engineering**, ••BE & minor

**Computer Science**, ••BS & minor

**Creative Writing & Literature**, minor

**Dance**, minor

**Digital Arts**, minor

**Earth & Space Sciences**, BA

**Economics**, •BA

**Ecosystems & Human Impact**, BA & minor

**Electrical Engineering**, ••BE & minor

**Electrical Engineering Online**, BS (upper-division only)

**Electronic, Optical & Magnetic Materials**, minor

**Engineering Majors:** See alphabetical listings for Biomedical Engineering, Chemical & Molecular Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Engineering Science, Mechanical Engineering

**Engineering Chemistry**, BS

**Engineering Composites**, minor

**Engineering Science**, •BE

**Engineering & Technology Entrepreneurship**, minor

**English**, •BA & minor

**Environmental Design, Policy & Planning**, BA & minor

**Environmental Engineering**, minor

**Environmental Humanities**, BA & minor

**Environmental Studies**, •BA & minor

**European Studies**, •BA & minor

**French Language & Literature**, •BA & minor

**Geology**, •BS & minor

**Geospatial Science**, minor

**German Language & Literature**, •BA & minor

**Health Science**, BS

**Health & Wellness**, minor

**Hellenic Studies**, minor

**History**, •BA & minor

**Human Evolutionary Biology**, BS

**Information Systems**, BS & minor

**International Studies**, minor

**Italian American Studies**, minor

**Italian Studies**, •BA & minor

**Japanese Studies**, minor

**Jazz Music**, minor

**Journalism**, BA & minor

**Judaic Studies**, minor

**Korean Studies**, minor

**Latin American & Caribbean Studies**, minor

**Leadership Development**, minor

**Linguistics**, •BA & minor

**Manufacturing Engineering**, minor

**Marine Sciences**, •BS & minor

**Marine Vertebrate Biology**, •BS

**Materials Science**, minor

**Mathematics**, •BS & minor

**Mechanical Engineering**, •BE & minor

**Media Arts**, minor

**Medieval Studies**, minor

**Middle Eastern Studies**, minor

**Multidisciplinary Studies**, •BA

**Music**, •BA & minor (audition required)

**Music & Technology**, minor

**Nanotechnology Studies**, minor

**Nursing**, BS (upper-division only)

**Optics**, minor

**Pharmacology**, •BS

**Philosophy**, •BA & minor

**Physical Metallurgy**, minor

**Physics**, •BS & minor

**Political Science**, •BA & minor

**Psychology**, •BS, BA

**Religious Studies**, •BA & minor

**Respiratory Care**, BS

**Russian Studies**, minor

**Social Work**, BS (upper-division only)

**Sociology**, •BA

**South Asian Studies**, minor

**Spanish Language & Literature**, •BA & minor

**Sustainability Studies**, BA & minor

**Technological Systems Management**, BS & minor

**Theatre Arts**, •BA & minor

**Women's & Gender Studies**, •BA & minor

**Writing**, minor

## PRE-LAW/PRE-MED

Knowledgeable pre-med and pre-law advisors provide guidance to undergraduates majoring in any discipline. Students seeking entrance to medical and law schools may select any major.

## UNDERGRADUATE SECONDARY TEACHER PREPARATION\*

<b>Biology</b>	<b>French</b>	<b>Mathematics</b>
<b>Chemistry</b>	<b>German</b>	<b>Physics</b>
<b>Chinese</b>	<b>Italian</b>	<b>Social Studies</b>
<b>Earth Science</b>	<b>Japanese</b>	<b>Spanish</b>
<b>English</b>	<b>Korean</b>	<b>TESOL (K-12)</b>

*\*Accredited by NCATE*

## COMBINED-DEGREE PROGRAMS

Use graduate credits toward your undergraduate degree and complete both degrees in five years.

### FAST TRACK MBA DEGREE PROGRAM

Earn an MBA along with your choice of undergraduate major (BA, BS and selected BE programs).

### OTHER COMBINED-DEGREE PROGRAMS:

Applied Mathematics & Statistics, BS/MS

Applied Mathematics & Statistics, BS/  
Public Health, MPH

Art History & Criticism, BA/MA

Biochemistry, BS/Chemistry, MS

Biomedical Engineering, BE/MS

Chemistry, BS/MS, BS/MAT

Computer Engineering, BE/MS

Computer Engineering, BE/  
Electrical Engineering, MS

Computer Science, BS/MS

Earth Science, BA/MAT

Earth & Space Sciences, BA/MPH

Electrical Engineering, BE/MS

Electrical Engineering, BE/  
Computer Engineering, MS

Engineering Chemistry, BS/Chemistry, MS

Engineering Chemistry, BS/  
Materials Science, MS

Engineering Science, BE/  
Materials Science, MS

English, BA/MA

French, BA/MAT

Health Science, BS/  
Occupational Therapy, MS

History, BA/MAT, BA/MA

Italian, BA/MAT

Linguistics, BA/MA (TESOL)

Marine Science, BS/Atmospheric  
Science, MS

Mathematics, BS/MAT

Mechanical Engineering, BE/MS

Pharmacology, BS/MPH

Physics, BS/MAT

Political Science, BA/Public Policy, MA

Spanish, BA/MAT

Technological Systems Management, BS/MS

Theatre Arts, BA/MA

Women's & Gender Studies, BA/MPH



## A GREAT VALUE

Stony Brook's honors programs represent a great value. But don't take our word for it. Stony Brook's return on investment is more than \$1 million according to *PayScale.com*. And *Kiplinger* ranks us among the top 30 best values in public colleges and universities.

### 2014–2015 Estimated Yearly Costs\* for Full-Time Undergraduates

	New York State Resident	Out-of-State Resident
TUITION	\$ 6,170	\$ 19,590
FEES	\$ 2,260	\$ 2,260
ROOM AND BOARD	\$ 11,819	\$ 11,819
<b>DIRECT ANNUAL COSTS</b>	<b>\$ 20,249</b>	<b>\$ 33,669</b>

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



\*All charges are subject to change without notice. Costs may vary, depending on the meal plan and housing selected. Students also will require financial resources to cover additional costs for books, supplies, travel and miscellaneous items. Full-time students without health insurance will be required to enroll in the student health insurance program.

Stony Brook University/SUNY is an affirmative action, equal opportunity educator and employer. 14020935



# COME VISIT

**1,040** acres

**60** miles east of NYC

**10** miles of bike paths

**4** season climate

**3** miles from the beach

**1** railroad stop on campus





ONE OF ONLY **10**  
UNIVERSITIES

in the U.S. recognized for combining  
research with undergraduate education

— National Science Foundation

TOP **30**  
best value  
public university

— Kiplinger



Stony Brook **University**

Admissions Office  
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Stony Brook, NY 11794-1901

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