APPLIED MATHEMATICS & STATISTICS, BS

WHAT WE LOOK FOR IN A FRESHMAN APPLICANT

Stony Brook is a highly selective institution, seeking to enroll those students who demonstrate the intellectual curiosity and academic ability to succeed. Applicants are evaluated on an individual basis. There is no automatic cutoff in the admission process, either in grade point average, rank, or test scores. The Admissions Committee seeks to enroll the strongest and most diverse class possible.

Successful applicants will typically have:
- High school diploma or equivalent (Regents diploma preferred for NY residents)
- Strong performance in a college preparatory high school academic program that includes:
  - 4 units of English
  - 4 units of social studies
  - 3 units of mathematics (4 units required for engineering, applied sciences, and pharmacy)
  - 3 units of science (4 units required for engineering, applied sciences, and pharmacy)
  - 2 or 3 units of a foreign language
- Standardized test scores that indicate the promise of success in a rigorous undergraduate course of study.

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STONY BROOK MATH REQUIREMENTS

MAJOR

<table>
<thead>
<tr>
<th>HIGHER SCHOOL PREPARATION: MATH EXPECTATIONS FOR SUCCESS</th>
<th>STONY BROOK MATH REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students pursuing any of these majors are expected to have completed three years of math in high school to demonstrate basic math competence.</td>
<td>These majors require an introductory statistics course</td>
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<tr>
<td>Students pursuing any of these majors are expected to have satisfactorily completed four years of math in high school, preferably including a precalculus course, calculus course, and/or AP Statistics.</td>
<td>These majors require Overview of Calculus with Applications or other calculus course</td>
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<tr>
<td>Students pursuing any of these majors are expected to have satisfactorily completed 12th Year High School Math (Precalculus). When possible, a year of calculus in high school is strongly recommended.</td>
<td>These majors require more advanced mathematics courses for completion of the degree at Stony Brook</td>
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</tbody>
</table>

African Studies, BA
American Studies, BA
Anthropology, BA
Art History & Criticism, BA
Asian & Asian American Studies, BA
English, BA
Environmental Humanities, BA
European Studies, BA
French Language & Literature, BA
German Language & Literature, BA
History, BA
Italian Studies, BA
Journalism, BA
Linguistics, BA
Multidisciplinary Studies, BA
Music, BA
Philosophy, BA
Religious Studies, BA
Spanish Language & Literature, BA
Studio Art, BA

Political Science, BA
Psychology, BA
Sociology, BA
Social Work, BS
Business Management, BS
Coastal Environmental Studies, BS
Economics, BA
Ecosystems & Human Impact, BA
Environmental Design, Policy, & Planning, B
Human Evolutionary Biology, BS
Sustainability Studies, BA

Applied Mathematics & Statistics, BS
Astronomy/Planetary Sciences, BS
Atmospheric & Oceanic Sciences, BS
Biochemistry, BS
Biology, BS
Chemistry, BS & BA
Clinical Laboratory Sciences, BS
Earth & Space Sciences, BA
Engineering Chemistry, BS
Environmental Studies, BA
Geology, BS
Health Science, BS
Marine Sciences, BS
Marine Vertebrate Biology, BS
Mathematics, BS
Nursing, BS
Polyomorphology Technology
Pharmacology, BS
Physics, BS
Pre-Med, Pre-Dental, Pre-Vet, Pre-PT
Psychology, BS
Respiratory Care, BS
Technological Systems Management, BS
Biomedical Engineering, BE

Chemical & Molecular Engineering, BE
Civil Engineering, BE
Computer Engineering, BE
Computer Science, BS
Electrical Engineering, BE
Engineering Science, BE
Information Systems, BS
Mechanical Engineering, BE

These majors require more advanced mathematics courses for completion of the degree at Stony Brook.