### MATHEMATICS REQUIREMENT OF THE STONY BROOK CURRICULUM (SBC)

All Stony Brook undergraduates must satisfy Stony Brook Curriculum’s Master Quantitative Problem Solving (QPS) requirement, which includes courses that help students understand and use quantitative skills and ideas critical to higher education. Courses offered at Stony Brook that satisfy this requirement include Statistics, Mathematical Thinking, Introduction to Symbolic Logic, Calculus and Overview of Calculus with Applications. Transfer courses that may be evaluated as satisfying this requirement include Statistics, Finite Mathematics, Discrete Mathematics, Computers and Applied Statistics, Business Statistics, Survey of Math Reasoning, Technical Math II, Applied Math, Fundamentals of Precalculus I or II, Survey of Contemporary Math Topics, Calculus for Non-Science Majors, Precalculus Mathematics, Calculus I or II, Engineering Technical Math II, and higher level mathematics courses in calculus, linear algebra, and differential equations.

### AP CREDIT

Students with certain AP exam scores may satisfy the Stony Brook Curriculum’s Master Quantitative Problem Solving (QPS) requirement, and may serve to lighten a student’s academic course load in their first year or provide an opportunity to advance more rapidly in their math courses and related subjects.

<table>
<thead>
<tr>
<th>AP Exam</th>
<th>Score</th>
<th>SBU Equivalent</th>
<th>SBC Requirement Fulfilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus AB</td>
<td>4 or 5</td>
<td>MAT 131</td>
<td>QPS</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>4 or 5</td>
<td>MAT 131, 132</td>
<td>QPS</td>
</tr>
<tr>
<td>Calculus AB or BC</td>
<td>3</td>
<td>AMS 102</td>
<td>QPS</td>
</tr>
<tr>
<td>Statistics</td>
<td>3, 4 or 5</td>
<td>none</td>
<td>none</td>
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### AP Exam Scores

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<tbody>
<tr>
<td>Calculus AB or BC</td>
<td>3, 4 or 5</td>
<td>none</td>
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</table>

### The majors listed below have no specific math requirements. Students pursuing these majors need only satisfy the Stony Brook Curriculum’s Master Quantitative Problem Solving (QPS) requirement.

- Africana Studies, BA
- Anthropology, BA
- Art History & Criticism, BA
- Asian & Asian American Studies, BA
- English, BA
- French Language & Literature, BA
- History, BA
- Italian Studies, BA
- Journalism, BA
- Linguistics, BA
- Multidisciplinary Studies, BA
- Music, BA
- Philosophy, BA
- Spanish Language & Literature, BA
- Studio Art, BA

### These majors require an introductory statistics course as a prerequisite for many courses within the major. For a timely completion of their prospective major, transfers are advised to satisfy this requirement prior to the start of their first semester.

- Political Science, BA
- Psychology, BA
- Sociology, BA
- Social Work, BS

### These majors require Overview of Calculus with Applications or other mathematics course as a prerequisite for many courses within the major. For a timely completion of their prospective major, transfers are advised to satisfy this requirement prior to the start of their first semester.

- Environmental Humanities, BA
- Business Management, BS
- Economics, BA

### These majors require either a semester of Calculus, or require courses which have a pre- or corequisite of Calculus. For a timely completion of their prospective major, transfers are advised to have completed Precalculus or Calculus prior to the start of their first semester.

- Clinical Laboratory Sciences, BS
- Coastal Environmental Studies, BS
- Ecosystems & Human Impact, BA
- Environmental Design, Policy, & Planning, BA
- Nursing, BS
- Polysomnographic Technology
- Respiratory Care, BS
- Sustainability Studies, BA
- Earth & Space Sciences, BA
- Electrical Engineering, BE
- Engineering Chemistry, BS
- Engineering Science, BE
- Geology, BS
- Information Systems, BS
- Marine Sciences, BS
- Marine Vertebrate Biology, BS
- Mathematics, BS
- Mechanical Engineering, BE
- Physics, BS
- Pre-Med, Pre-Dental, Pre-Vet, Pre-PT
- Psychology, BS
- Technological Systems Management, BS