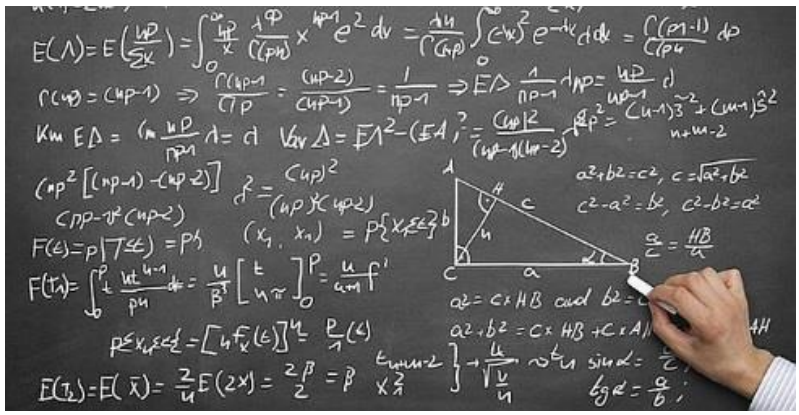
STONY BROOK UNIVERSITY

CAREER CENTER

Mathematics

Mathematics is an essential element in a wide range of human activities. It is the language of the physical sciences, and as such is an indispensable tool in the formulation of the laws of nature. In the social and biological sciences, it plays an increasingly important role in modeling complicated, large-scale phenomena. In addition, mathematics has an aesthetic side: awareness of the possibility of elegance and beauty in mathematical arguments has been a significant feature of human culture throughout history. Today more mathematics is being done, and more needs to be done, than ever before.



The undergraduate course offerings in Mathematics allow students to set up individualized programs of study consistent with their academic interests and career plans. Students should consider majoring in Mathematics even if they do not plan to become mathematicians or teachers of mathematics. The training in abstract reasoning and problem-solving is an excellent foundation for many different careers, such as law, graduate health professions, and business.

Transferable Skills

- Abstract and formal reasoning skills
- Problem solving skills
- Identify and rectify problems
- Explain mathematical processes and analyses
- Technical writing skills
- Manage time efficiently by setting priorities
- Evidence and data acquisition and analysis
- Research skills
- Sort and prioritize data
- Communication skills

Career Communities to Consider

- Research
- Public Service
- Education & Helping Professions
- Business