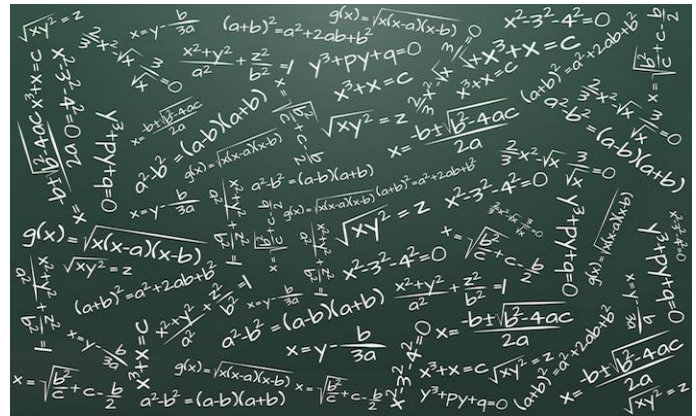


## Applied Mathematics and Statistics

The undergraduate program in Applied Mathematics and Statistics (AMS) aims to give mathematically oriented students a liberal education in quantitative problem solving. The courses in this program survey a wide variety of mathematical theories and techniques that are currently used by analysts and researchers in government, industry, and science. Many of the applied mathematics courses give students the opportunity to develop problem-solving techniques using campus computing facilities.

About half of the Applied Mathematics majors enter graduate or professional programs, primarily in statistics, operations research, computer science, and business management. Others go directly into professional careers as actuaries, programmer analysts, management trainees, and secondary school teachers.



### Transferable Skills

- Problem solving skills
- Abstract and formal reasoning skills
- Identify and rectify problems
- Explain processes
- Perform mathematical analyses
- Describe technical information to laypersons
- Sort and prioritize data
- Analytical Skills

### Career Communities to Consider

- Research
- Business
- Technology & Engineering
- Public Service
- Education & Helping Profession