Students will receive rigorous training in the mathematics and statistics needed for the design, financing, and operation of all types of insurance plans, pension plans, benefit plans, and related regulatory issues. Students will acquire a broad background in economics, finance, and risk management as well as technical aspects of actuarial science. They will be expected to communicate fluently, both orally and in writing, about their technical expertise and the problems they solve. Courses for the Actuarial Science major are specifically designed to prepare students to pass the first five Actuarial Examinations, which make up an important part of the career of an aspiring actuary. The Actuarial Science major also incorporates courses listed as validation of educational experiences (VEE) that add to your resume as an actuary and lead towards becoming an Associate of the Society of Actuaries (ASA).

### Career Areas/Job Titles:

**Management and Industry**
- Mathematician
- Communication and Media
- Journalism
- Public Relations Manager
- Freelance Writer
- Health Professions
- Medical Doctor
- Science and Technology

**Education**
- Professor
- K-12 Teacher
- Librarian
- Higher Education Administrator

**Government/Politics**
- Attorney
- Lobbyist

**Mathematician**
- Consultant
- Pricing Analyst
- Investment Analyst
- Financial Analyst
- Mortgage Advisor
- Statistician

*Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*

### Transferable Skills:

- Basic Computer Skills
- Written Communication
- Business Fundamentals
- Social Perceptiveness
- Economics and Accounting
- Teamwork
- Law and Policy Awareness
- Developing Evaluation
- Mathematic Skills
- Strategies
- Listening Skills
- Forecasting/Predicting
- Provide/Respond to Feedback
- Research Skills
- Speaking Effectively
- Attention to Detail
- Judging & Decision Making
- Prioritizing Tasks
- Strategic Planning/Visioning
- Data Analysis
- Analytical/Critical Thinking
- Problem Solving

*This is not an extensive list of transferable skills. See larger list of skills you might develop here: [http://ccss.osu.edu](http://ccss.osu.edu)*

### Professional Links: