Actuarial Science Programs Available at the University of St. Thomas:

**Major:** B.S. Actuarial Science **Minor:** Actuarial Science

**Department Website:** http://www.stthomas.edu/mathematics/actuarialscience/

### **Major Overview:**

Actuarial science education equips students with strong mathematical problem-solving skills that can be applied to business careers. The major requirements consist of courses in mathematics, actuarial science, computer science, business, economics and a course in communication. Coupled with a firm foundation in the liberal arts, this major provides a sound grounding in analytical problem-solving and communication skills. This program prepares students for a variety of careers with insurance companies, consulting firms, financial institutions, industrial corporations, or government agencies. It also provides a good preparation for non-actuarial careers in banking, finance, or insurance. In addition, the statistical background developed by an actuarial student is valuable in a variety of other fields.

Students graduating with a major in Actuarial Science will become proficient in basic mathematics through multivariate calculus and probability together with basic notions of insurance and risk management. They will demonstrate the ability to think clearly and critically in solving problems related to the analysis and management of risk. They will be able to effectively communicate technical and non-technical information to their peers and to non-specialists in their work environment.

To be certified as a Fellow or an Associate by either the Society of Actuaries or the Casualty Actuarial Society, one must pass a series of rigorous examinations. The earlier examinations are focused on mathematics and statistics and can be taken while a student. The later examinations cover aspects of business, economics, and the regulatory climate. A careful selection of courses from a variety of departments helps a student to prepare for many excellent professional opportunities in this field. Students should see the director of the Actuarial Program for advice in selecting courses for a particular purpose.

University of St. Thomas 2012-2014 Undergraduate Catalog

# What do UST Actuarial Science alumni do?

A sample of **entry level** job titles and employers of alumni six to nine months after graduation:

## **Sample Job Titles:**

Actuarial Assistant, Actuarial Analyst, Operations Specialist, Financial Analyst, Accounting Analyst, Actuarial Associate

#### Sample Employers:

AON, Allianz, Blue Cross Blue Shield, Wells Fargo, AgriBank FCB, Ameriprise Financial, Thomson Reuters, Thrivent Financial, Ingenix, United Health Group, Watson Wyatt Worldwide, Federated Insurance Companies, Towers Perrin, RTW, Inc.

University of St. Thomas 2007-2011 Post-Graduate Surveys



# Additional Opportunities in Actuarial Science:

**Career Options** 

Actuarial Analyst

Actuarial Analyst Trainee

**Actuarial Assistant** 

**Actuarial Programmer** 

Actuarial Systems Analyst

Actuaries, Life and Health

Assistant Actuary Director

**Business Development Actuary** 

**Casualty Actuary** 

Chief Actuary

**Consulting Actuary** 

Database Administrator

Financial Analyst

**Group Disability Actuary** 

**Group Division Actuarial Students** 

Health Care & Group Benefits Actuarial Analyst

**Human Resource Consultant** 

Insurance Competitive Analysis Manager

Manager of Financial Analysis for Risk and Insurance

Manager of Risk Analysis

Market/Product Specialist

Marketing/Product Analyst

Pension Analyst

Pension Consultant

Pension Systems Specialist

Pricing Manager

**Product Actuary** 

Quality Assurance Lead Actuarial Technician

Research Analyst

Reserving Actuary

Senior Actuarial Analyst

Software Support Actuary and Software Sales Actuary

Underwriter

#### **Possible Employers**

Banks and investment firms Colleges and universities

Consulting firms

Government insurance departments

Insurance companies

Large corporations and public accounting firms

