In today’s uncertain business environment, the need for skilled actuaries – professionals who analyze the financial consequences of risk – has never been greater. Saint Joseph’s actuarial science program provides majors with a strong analytical foundation and powerful insights into how to manage risk. The program is multidisciplinary and includes courses in actuarial science, mathematics, economics, finance and accounting, leading to a B.S. degree in actuarial science.

Faculty members have a great depth of professional experience and ensure that the program maintains a high level of analytical training while providing strong business perspectives. Motivated students will be prepared to take the first two in a series of professional actuarial exams in their senior year. The major also ensures that students can receive credit in the three areas covered by Validation by Educational Experience (Economics, Corporate Finance, and Applied Statistical Methods), which is part of the professional certification process for actuaries. Combining coursework from both the College of Arts & Sciences and the Haub School of Business, the curriculum ensures that students are fully equipped to succeed as actuaries.

The actuarial profession is consistently rated as a top job in America. Graduates of the program often receive multiple job offers and work as successful actuaries, financial managers, statistical analysts and underwriters.

**Distinctive Program Features and Benefits:**

- Inter-college program combining coursework from both the College of Arts & Sciences and the Haub School of Business.
- Multidisciplinary program: Mathematics, Economics, Finance and Accounting.
- A rigorous curriculum required by the actuarial societies and designed to ensure that motivated students will receive credit in the three VEE areas (Economics, Corporate Finance, and Applied Statistical Methods) and have the opportunity to pass the first two actuarial exams.
- Shadow Program: Allows students to ‘shadow’ working actuaries for a day and experience first-hand the rewards and challenges of the actuarial career.
- Actuarial Internships: Paid internships at insurance companies and consulting firms are available to qualified students.
- Vibrant student-run Actuarial Science Club: Sponsors colloquia and presentations by prominent actuarial executives in the region, provides support in the key areas of exam preparation, resume writing and interviewing techniques.
- Alpha Omega Chapter of Gamma Iota Sigma: Established at SJU in 2006, this chapter of the International Risk Management Insurance and Actuarial Science Collegiate Fraternity, works to promote actuarial science as a profession, encourage high academic accomplishments by its members, and facilitates interaction between educational institutions and industry
- Industry Advisory Board: Composed of chief actuaries and senior executives of regional and national insurers, consulting firms, and industry rating organizations; facilitates internship and shadowing opportunities for qualified students; provides jobs for successful graduates; offers colloquia and informal presentations.
• Professional Skills Development: Workshops and presentations in support of exam preparation, resume writing, interviewing and networking skills.

**LEARN MORE ABOUT THE ACTUARIAL SCIENCE MAJOR:**

- Visit the Actuarial Science Department’s Website: [http://www.sju.edu/int/academics/cas/actuarialscience/index.html](http://www.sju.edu/int/academics/cas/actuarialscience/index.html)
- Visit the College of Arts and Sciences Advising Support Center, located in Barbelin 122
- Contact the Mathematics Department to schedule a meeting with a faculty member by calling 610-660-1540
- Speak with current students in the major
- Schedule an appointment with the Career Development Center (610-660-3100)

**WHAT CAN I DO WITH A MAJOR IN ACTUARIAL SCIENCE?**

Whatever you put your mind to! You can learn much more at [www.onetonline.org](http://www.onetonline.org). Following are descriptions of just a few of the careers you might pursue:

**Actuary:** Analyzes statistical data, such as mortality, accident, sickness, disability, and retirement rates and constructs probability tables to forecast risk and liability for payment of future benefits. May ascertain premium rates required and cash reserves necessary to ensure payment of future benefits.

**Financial Manager:** Directs and coordinates financial activities of workers in a branch, office, or department of an establishment, such as branch bank, brokerage firm, risk and insurance department, or credit department.

**Statistical Analyst:** Compiles and computes data according to statistical formulas for use in statistical studies. May perform actuarial computations and compile charts and graphs for use by actuaries.

**Underwriter:** Reviews applications for insurance to evaluate degree of risk involved and determine acceptance of applications.

**HOW CAN I ENGAGE MY INTEREST IN ACTUARIAL SCIENCE OUTSIDE THE CLASSROOM?**

There are so many opportunities to get involved at Saint Joseph’s University and beyond – and to develop experience in your major while doing so! Here are just a few:

- Actuarial Science Club
- Shadow Program
- Gamma Iota Sigma
- www.beanactuary.org

- Internship Program
- Society of Actuaries (Professional Organization)
- Casualty Actuaries Society (Professional Organization)

**OUTCOMES – A CLOSER LOOK AT SJU GRADUATES WITH DEGREES IN ACTUARIAL SCIENCE:**

As depicted in the chart below, the majority of new graduates have started their careers in the insurance field. Many others have selected a variety of industries. (Data from Saint Joseph’s University Career Development Center’s Post-Graduation Survey, 2008 – 2012.)
Here is a sampling of positions our graduates have accepted:

- Actuarial Analyst
- Educational Leadership Consultant
- Junior Plan Administrator
- Research Analyst
- Financial Analyst
- Underwriter

Organizations that have hired our graduates include:

- Aetna
- Brown and Brown Consulting
- Chubb Group of Insurance Companies
- CIGNA Corporation
- Farmers Insurance Company
- Independence Blue Cross
- Insurance Services Office
- Karr Barth Associates, Inc.
- KPMG
- Liberty Mutual Insurance
- McKeough Company
- Milliman
- Philadelphia Insurance Companies
- Phoenix Marketing International
- The Philadelphia Contributionship
- Tokio Marine North America (TMNA)
- Towers Watson
- 21st Century Insurance

Average Starting Salary – Actuarial Science Majors – Classes of 2008 – 2012

<table>
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<tr>
<th>Graduation Year</th>
<th># of Respondents</th>
<th>Average Total Salary</th>
<th>Average Bonus</th>
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**FURTHER ASSISTANCE WITH YOUR MAJOR AND CAREER OPTIONS**

The Career Development Center can help you with the process of choosing a major and exploring your career options. For assistance, please call 610-660-3100 to schedule an appointment to meet with a Career Counselor.
Larry Lannon  
1234 Sesame Street, Philadelphia, PA 12345  
(319) 700-0809                       ll3234@sju.edu

Education  
Saint Joseph’s University Philadelphia, PA  
Bachelor of Science May 2014  
Major: Actuarial Science GPA 3.5

Actuarial Exams:  
Exam FM/2, Financial Mathematics Passed June 2013  
Exam P/1, Probability Sitting September 2013

Experience  
Saint Joseph’s University Philadelphia, PA  
Information Technology Department Student Worker September 2012-Present  
• Manage technology equipment requests as requested by university professors  
• Ensure prompt delivery of computers and projectors  
• Maintain SJU website

Independence Blue Cross Philadelphia, PA  
Actuarial Summer Intern June 2012-August 2012  
• Performed Access and Sequel queries to calculate the company’s Medical Loss Ratio  
• Created documentation that would help a new associate run the MLR queries in Sequel

City of Philadelphia Philadelphia, PA  
Risk Management Intern June 2011- August 2011  
• Assisted the Head Risk Manager with workers compensation claims, litigations, contracts, procurement invoices, and claims filed against the City of Philadelphia  
• Analyzed data of the ongoing airport expansion project

Extracurricular  
Actuarial Science Club Fall 2010-Present  
Habitat for Humanity Fall 2011-Present  
National Mathematics Collegiate Competition Fall 2010

Skills  
Proficiency in SQL (oracle), JAVA, SAS, SPSS