

**The University of Akron**

**Department of Statistics – Actuarial Science Program**

# **Becoming an Actuary**

## Quick Overview

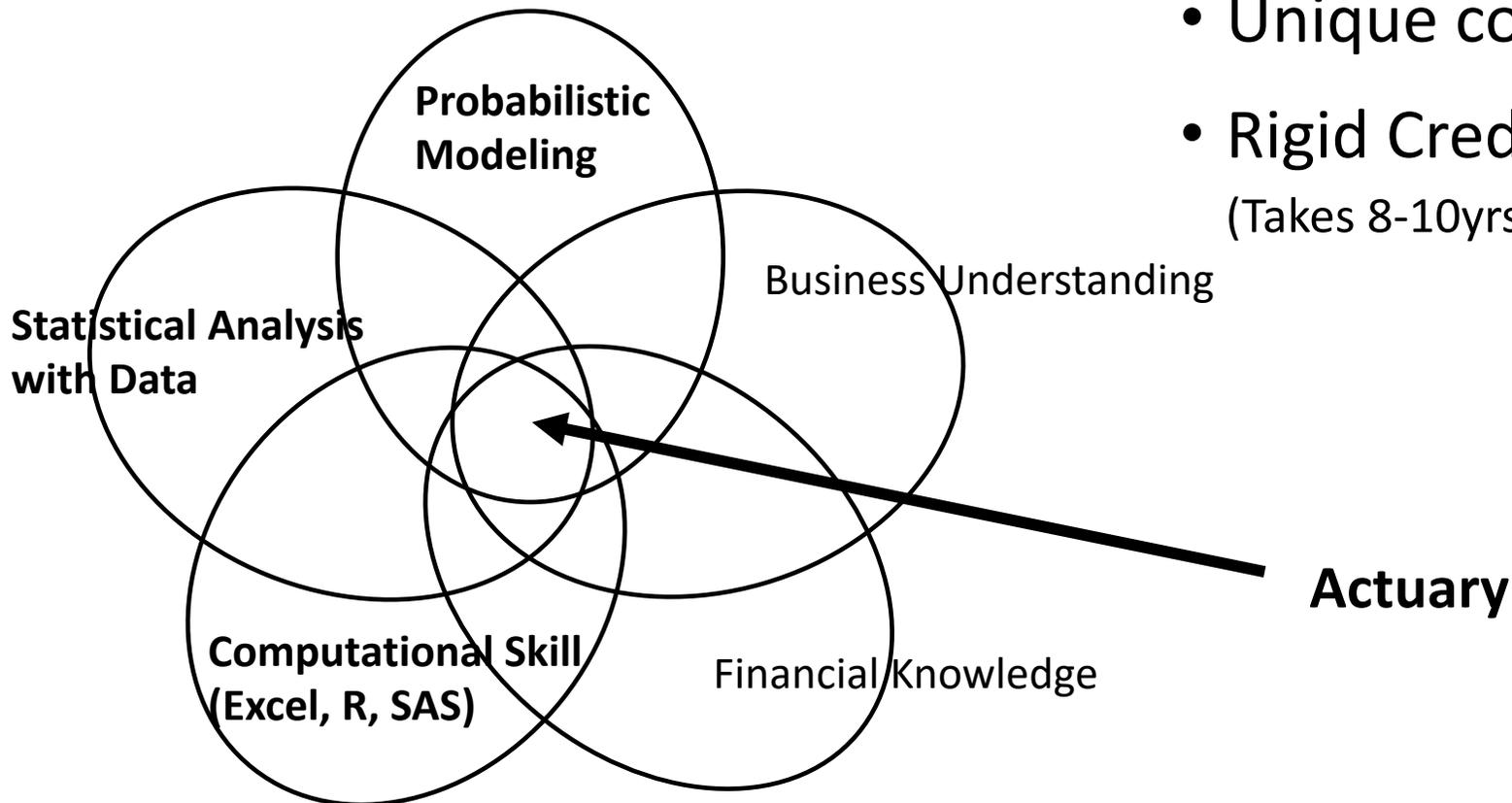
Jan 09, 2023

<https://www.uakron.edu/statistics/actuarial-science/>



# What Does Actuary Do?

- **The Guy Behind Insurance:** Models and Measures Risk and determines the price of various insurance products.



- Unique combination of skills
- Rigid Credential Process (10 exams)  
(Takes 8-10yrs after graduation to be fully certified.)

# B.S. in Statistics – Actuarial Science

- Passing **2 Exams + Internships** before graduation is the industry standard.
- Knowledge of Stats are essential to be a good Actuary  
(We are one of 2 actuarial program in OH hosted in Stats Dept instead of Math Dept.)
- Stats degree Gives you great career options.
- Great Job Placement Rates  
(actuarial and non-actuarial)
- Take business elective (Risk Management) early
- Join Gamma Iota Sigma (Actuarial Student organization)

<http://BeAnActuary.com/>

<https://www.uakron.edu/statistics/actuarial-science/>

# How to Find Internship

- Best to apply individually (Search on Google, Indeed, etc.)
- Summer actuarial internships are posted **Aug-Sep** of previous year.
- Some company requires 1 exam passed at the time of application.

# SOA – Path to Associate / Fellow Actuary

<https://pathways.soa.org/designations>

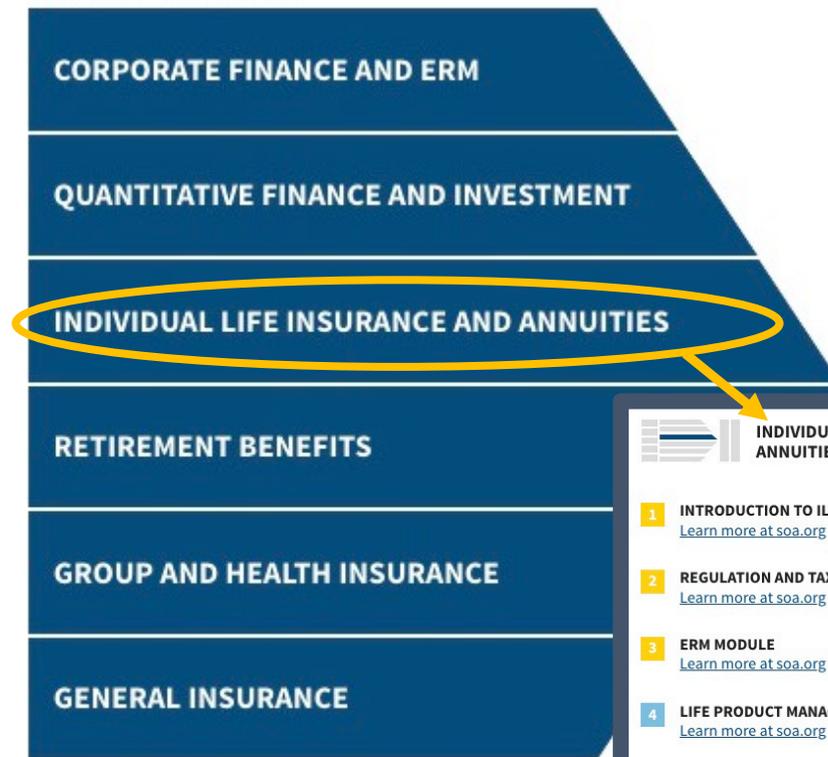
## ASA Pathway 2022

FOUNDATIONS	ACTUARIAL I	ACTUARIAL II	ADVANCED	PROFESSIONALISM
EXAM FINANCIAL MATHEMATICS	EXAM FUNDAMENTALS OF ACTUARIAL MATHEMATICS	EXAM ADVANCED LONG-TERM ACTUARIAL MATHEMATICS	e-LEARNING FUNDAMENTALS OF ACTUARIAL PRACTICE	SEMINAR ASSOCIATESHIP PROFESSIONALISM COURSE
EXAM PROBABILITY	VEE MATHEMATICAL STATISTICS	OR ADVANCED SHORT-TERM ACTUARIAL MATHEMATICS		
VEE ECONOMICS		EXAM PREDICTIVE ANALYTICS	e-LEARNING ADVANCED TOPICS IN PREDICTIVE ANALYTICS	
VEE ACCOUNTING AND FINANCE	EXAM STATISTICS FOR RISK MODELING			
e-LEARNING PRE-ACTUARIAL FOUNDATIONS	e-LEARNING ACTUARIAL SCIENCE FOUNDATIONS			

Associate

Fellow

### FSA SPECIALTY TRACKS



**INDIVIDUAL LIFE INSURANCE AND ANNUITIES**

- 1 INTRODUCTION TO ILA MODULE**  
[Learn more at soa.org](#)
- 2 REGULATION AND TAXATION MODULE**  
[Learn more at soa.org](#)
- 3 ERM MODULE**  
[Learn more at soa.org](#)
- 4 LIFE PRODUCT MANAGEMENT EXAM**  
[Learn more at soa.org](#)
- 5 LIFE FINANCIAL MANAGEMENT EXAM**  
[Learn more at soa.org](#)
- 6 LIFE ALM AND MODELING EXAM**  
[Learn more at soa.org](#)  
or  
**ERM EXAM**  
[Learn more at soa.org](#)

\* All VEE courses are covered by UA curriculum  
(Exam structure changes every couple of years)

# CAS or SOA?

- Major Types of Actuary

**Property & Casualty**

CAS

<https://www.casact.org/>

**Health**

**Life/Annuity**

**Pension/Retirement**

**Consulting**

SOA

<https://www.soa.org/>

- Depends on your line of work as an actuary.
- First 2 exams are the same – you don't have to choose for now.

# UA Alumni works at places like:

## **As an Actuary:**

- Progressive
- National Interstate
- Westfield
- Western and Southern
- Willis Towards Watson
- USI consulting
- Aon
- Erie Insurance
- Auto-owners Ins.
- Transamerica
- Allianz

## **As a Predictive Analyst:**

- Progressive
- National Interstate
- Key Bank
- Huntington
- Chase
- Charles Schwab

# Contact Us

**Department of Statistics**  
**Actuarial Science Coordinator**

**Dr. Nao Mimoto**

**Office: CAS 413**

[nmimoto@uakron.edu](mailto:nmimoto@uakron.edu)

<https://nmimoto.github.io>

<https://www.uakron.edu/statistics/actuarial-science/>

