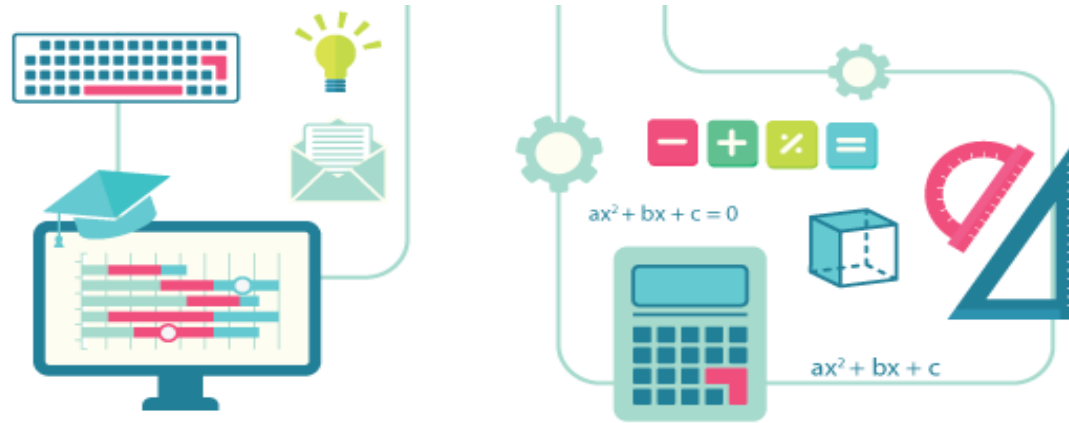


Actuarial Science Opportunities

Dr. Marco V. Martinez



**NORTH CENTRAL
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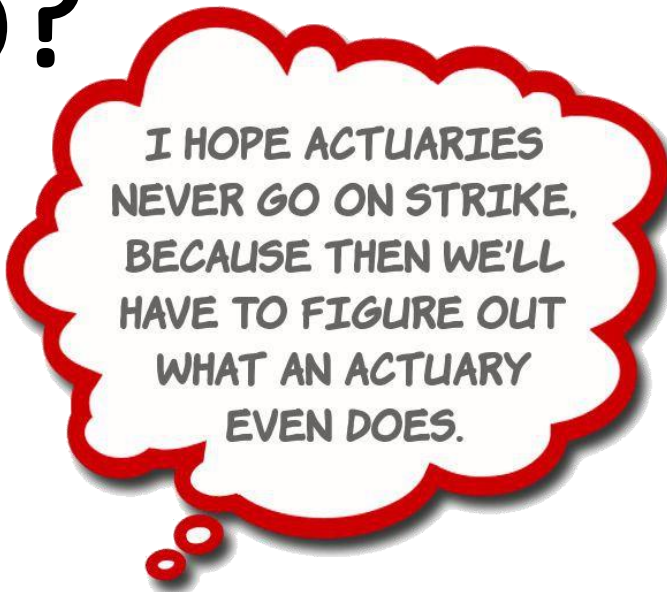
Acknowledgements



What Does An Actuary Do?

- ACTUARIES ARE EXPERTS IN:

- Evaluating the likelihood of future events
- Designing creative ways to reduce the likelihood of undesirable events
- Decreasing the impact of undesirable events that do occur.

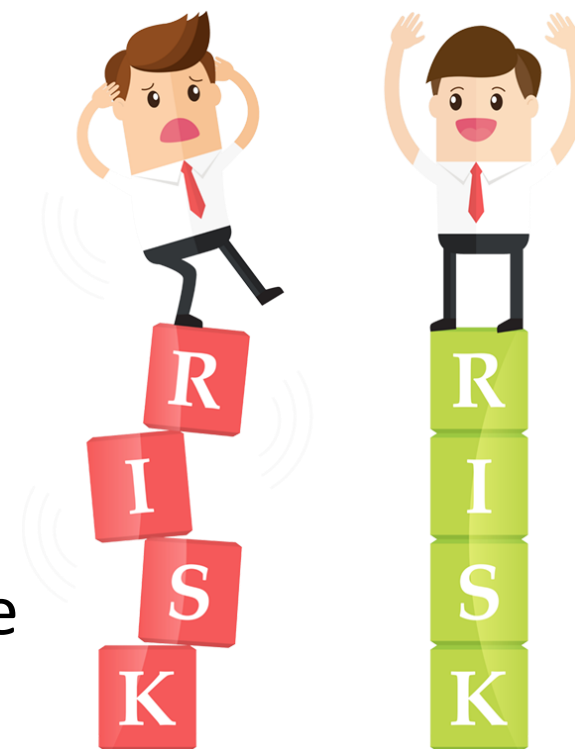


I HOPE ACTUARIES
NEVER GO ON STRIKE,
BECAUSE THEN WE'LL
HAVE TO FIGURE OUT
WHAT AN ACTUARY
EVEN DOES.



What Does An Actuary Do?

- WE MANAGE RISK
 - Actuaries use a combination of **strong analytical skills, business knowledge**, and understanding of **human behavior** to manage today's complex risk facing our society



What Does An Actuary Do?

- What it is RISK?
 - Risk is the chance that an undesirable event will occur, but risk is also opportunity. That's where actuaries come in.



Where do actuaries work?

Although insurance companies can't function without actuaries, that's not the only place you'll find actuaries

- Consulting
- Rating bureaus
- Banks and investment firms
- Public accounting firms
- The Government
- Colleges and universities



Where do actuaries work?

TRAVELERS 


Allstate®

 **State Farm**®

AON


Willis Towers Watson

 **ZURICH**®

 **Liberty Mutual.**
INSURANCE



**BlueCross BlueShield
of Illinois**



Where do actuaries work?

Google



TESLA



WHY ACTUARIAL SCIENCE



You want an intellectually
challenging degree



Make a difference
through numbers



Real life application
with great impact



Why Become An Actuary?

- **Top-Ranked.** Actuary has consistently been rated one of the top jobs in the United States.
- **Head start.** Actuaries earn great starting salaries that can double within the first five years.
- **Job security.** Actuaries enjoy certainty in uncertain times. We're always in demand as the world confronts risk.
- **Impressive impact.** Actuaries participate in high-level business decision-making and solve real problems in every industry.
- **Life in balance.** More than a fulfilling career, being an actuary allows you to maintain a low-stress, highly sought-after work/life balance.



Listen to them...

Bankrate

The most valuable college majors in 2018



The best job you never thought of

🕒 April 25, 2013: 6:32 AM ET

1

Actuarial Science

Average income: \$108,658

Unemployment rate: 2.3%

Bloomberg

Actuarial science graduates earn six-figure salaries and have a better-than-average unemployment rate.

By [Riley Griffin](#)

September 10, 2018, 3:00 AM CDT



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Actuaries

[Summary](#)[What They Do](#)[Work Environment](#)[How to Become One](#)[Pay](#)[Job Outlook](#)

Job Outlook, 2019-29

The projected percent change in employment from 2019 to 2029. The average growth rate for all occupations is 4 percent.

Summary

Quick Facts: Actuaries

2019 Median Pay	\$108,350 per year \$52.09 per hour
Typical Entry-Level Education	Bachelor's degree
Work Experience in a Related Occupation	None
On-the-job Training	Long-term on-the-job training
Number of Jobs, 2019	27,700
Job Outlook, 2019-29	18% (Much faster than average)
Employment Change, 2019-29	4,900



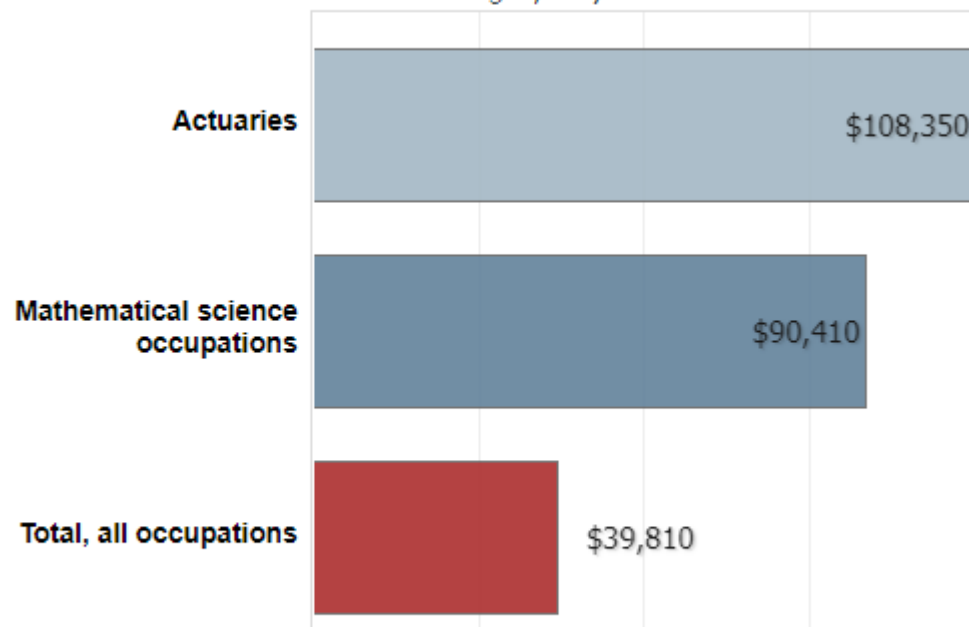


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Actuaries

Median annual wages, May 2019



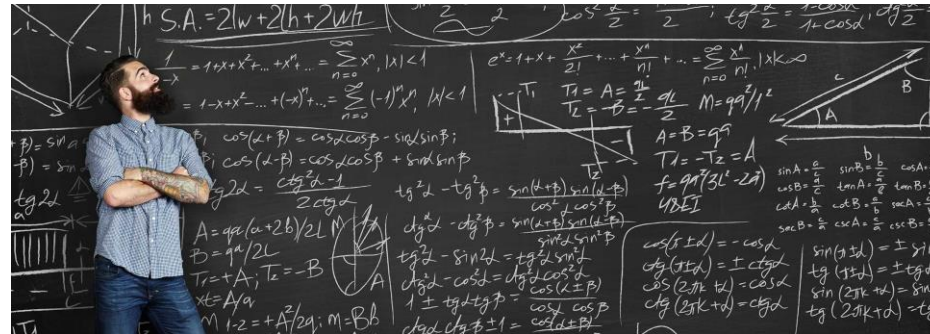
Note: All Occupations includes all occupations in the U.S. Economy.

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics



How To Become an Actuary?

- Take math classes now!
- Attend a four-year university program
- **Pass Actuarial Exams**
- Work on communication & computer skills



For resources, information and more: www.BeAnActuary.org

BROUGHT TO YOU BY:



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ACTUARIES

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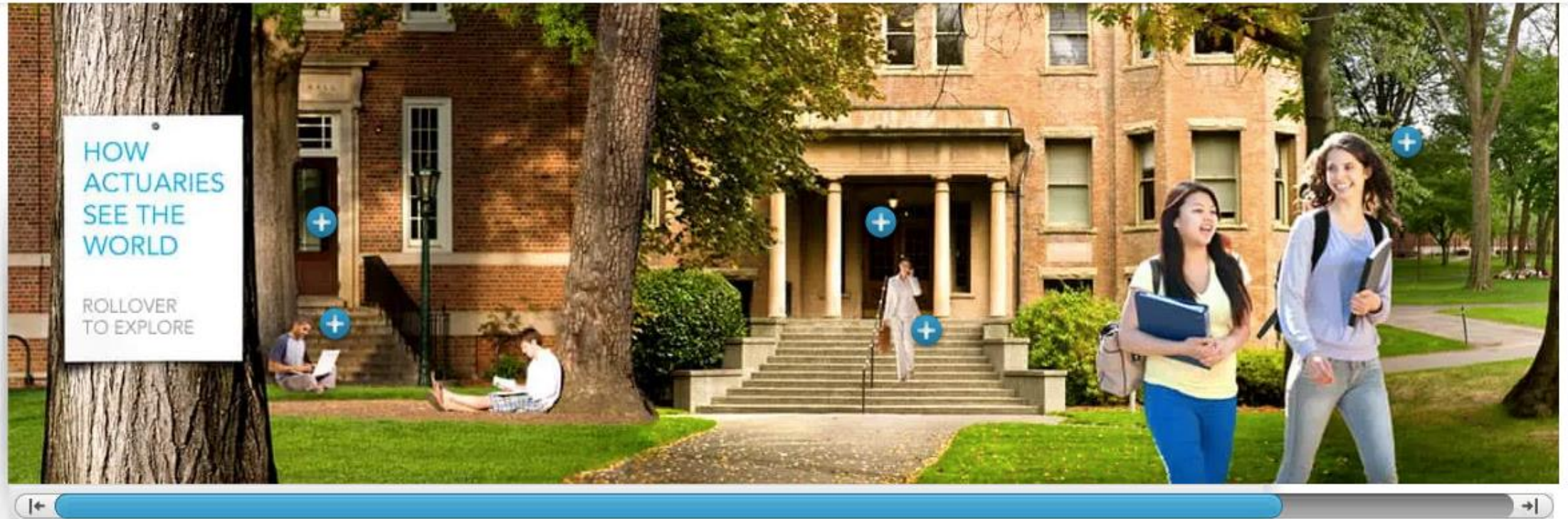
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Thank you!



SIMIODE EXPO 2021



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Questions?

Want to learn more about Actuarial Science?
Dr. Marco V. Martinez <mvmartinez@noctrl.edu>



