Actuarial Science Opportunities

Dr. Marco V. Martinez
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.
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?
Where do actuaries work?
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

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
Summary

Quick Facts: Actuaries

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

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

Median annual wages, May 2019

- Actuaries: $108,350
- Mathematical science occupations: $90,410
- Total, all occupations: $39,810

Note: All Occupations includes all occupations in the U.S. Economy.
How To Become an Actuary?

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

Want to learn more about Actuarial Science?
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