

Actuarial Science and Financial Mathematics: A key to promising prospects

العلوم الاكتوارية والرياضيات المالية مفتاح لأفاق واعدة

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Actuarial career is one of the most diverse, exciting and rewarding in the world.

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- Produce charts, tables, and reports that explain calculations and proposals.
- Explain their findings and proposals to company executives, government officials, shareholders, and clients.

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For example, some actuaries work with accountants and financial analysts to set the price for security offerings or with market research analysts to forecast demand for new products.

Where an actuary works

Most actuaries work at insurance companies, where they help design policies and determine the premiums that should be charged for each policy.

They must ensure that the premiums are **profitable yet competitive** with other insurance companies.

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For **example**, they develop investment strategies that manage risks and maximize returns for companies or individuals.

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Classes in writing and public speaking will improve students' ability to communicate in the business world.

Professional societies

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The SOA certifies actuaries who work in life insurance, health insurance, retirement benefits, investments, and finance.

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Both societies have mandatory e-learning courses for candidates.

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Actuaries with a broad knowledge of risk management and how it applies to business can rise to executive positions in their companies, such as chief risk officer or chief financial officer.

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They must also communicate clearly through the reports and memos that describe their work and recommendations.

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Problem-solving skills

Actuaries identify risks and develop ways for businesses to manage those risks.

Future employment opportunities

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Actuaries will be needed to develop, price, and evaluate a variety of insurance products and calculate the costs of new risks.

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Actuaries will help companies avoid, manage, and respond to any potential financial risks across all areas of their business operations.

This analysis helps companies to adjust their business or investment strategies to achieve economic returns and respond to new financial regulations and requirements.

The End

Thank you for your attention