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| CAS **Introductory Actuary**   * VEE (Validation by Educational Experience): Accounting and Finance. * VEE: Economics * Exam 1- Probability * Exam 2- Financial Mathematics * CAS DISC (CAS Data and Insurance Series Courses): Introduction to Data and Analytics * CAS DISC: Risk Management and Insurance Operations * CAS DISC: Insurance Accounting, Coverage Analysis, Insurance Law, and Insurance Regulations   **Associate of the CAS (ACAS)**   * Exam Modern Actuarial Statistics-I * Exam Modern Actuarial Statistics-II * Course on Professionalism * Exam 5- Basic Ratemaking and Estimating Claim Liabilities * Exam 6- Regulation and Financial Reporting   **Fellow of the CAS (FCAS)**   * Exam 7- Estimation of Policy Liabilities, Insurance Company Valuation, and Enterprise Risk Management * Exam 8- Advanced Ratemaking * Exam 9- Financial Risk and Rate of Return |  |  | |  | | --- | | SOA **Introductory Actuary**   * VEE (Validation by Educational Experience): Accounting and Finance * VEE: Economics * Exam 1- Probability * Exam 2- Financial Mathematics * Pre-Actuarial Foundations e-learning Module   **Associate of the SOA (ASA)**   * Exam- Fundamentals of Actuarial Mathematics * VEE: Mathematical Statistics * Exam- Statistics for Risk Modeling * Actuarial Science Foundations e-learning Module * Exam- Advanced Long-Term Actuarial Mathematics or Advanced Short-Term Actuarial Mathematics * Exam- Predictive Analytics * Fundamentals of Actuarial Practice e-learning Module * Advanced Topics in Predictive Analysis e-learning Module * Course on Professionalism   **Fellow of the SOA (FSA)**   * Corporate Finance and Enterprise Risk Management * Quantitative Finance and Investment * Individual Life Insurance and Annuities * Retirement Benefits * Group and Health Insurance * General Insurance | |  | |  |  | |  | | --- | | The Actuarial Talent Conundrum | |  | | How to Become an Actuary    By: Ally-Reese Williams | | General information about an actuarial career and how to succeed in it. | |

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| What is an Actuary? An actuary is a professional who uses mathematics, statistics, and financial theory to measure, manage, and mitigate financial risks and uncertainties. Job Description This job is typically performed from 9 am to 5 pm on weekdays, but positions working remotely can be found.  The median salary for an actuary in 2021 was $105,900 per year, which is almost double the annual median salary for all occupations in the United States.  Actuaries use different mathematical programs and algorithms to determine how different factors affect financial risk. Skills Actuaries must be skilled in:   * Data analytics * Communication * Computer programming * Mathematics * Problem-solving |  |  | Education In the United States, only about 8.16% of four-year colleges offer a bachelor’s degree in actuarial science.  Degree programs to choose:   * Actuarial Science * Mathematics * Statistics * Finance * Economics * Business * Computer Programming   A career as an actuary continues to be named one of the best jobs in the United States according to US News Companies looking for actuaries: Every insurance company, whether large or small, will need an actuary. Most insurance companies may hire multiple actuaries. Actuaries can be employed directly by insurance companies.  Actuaries can also be employed by actuarial consulting firms. Consulting firms are sought after by insurance companies who do not employ full-time actuaries but need to use their skills. |  |  | Actuary Organizations: **CAS or Casualty Actuary Society**   * Members of CAS specify in property and casualty insurance, reinsurance, finance, risk management, and enterprise risk management.   **SOA or Society of Actuaries**   * Members of SOA specify in general insurance, retirement, health insurance, life insurance, and investments.   For both organizations, there are a series of courses and exams that can be taken to achieve different titles throughout an actuarial career.  Different titles achievable are introductory actuary, Associate, and Fellow in both CAS and SOA. On the next page are the different titles and the different exams and courses needed to achieve each title.  For more information regarding actuarial exams, courses, and general inquiries visit casact.org or soa.org.  What Is an Actuary? - Forage |