

Actuarial Modeling & Analysis (AMA) Certification Program

Actuarial Modeling Pricing & Analysis (AMA) Certification Program focuses on core actuarial skills applied in real world to make you stand extraordinarily. Covers Actuarial Modeling & Analysis from perspective of life insurance products.



Who can pursue ?



UNIVERSITY STUDENTS

Opportunity to gain real-world experience & develop valuable skills



FRESHERS / JOB-SEEKER

Credentials from this program gives you edge over peers



PROFESSIONALS

Faster growth through upskilling & career transitions



90% + actuarial job description requires good analysis skills and some form of modeling skill



4+ Years of on-job learning in less than 6 months



40% higher salary offered to Edvanceskill students



On average **5+ Job offers** received by our students



5 star reviews and recommendations by senior actuaries & students

Process



Complete the Modules



Get AMA Certificate

Our Approach



Gamified Learning



Designed by Experienced Professionals



Focus on Practical Learning



Regular Content Upgradation



Global Actuarial Community



Actuarial Modeling & Analysis (AMA) Certification Program

Course Overview

- 14 Modules
- 170+ Hours of Learning & Doing
- 180 Day Access
- Sequential Access to Modules
- Software used is MS Excel

Content Type

- Recorded Videos
- Reading Material
- Infographics
- Interactive Quizzes
- Assignments
- Case Studies

Bonus Offerings

- 1-on-1 Doubt Resolutions
- Access to our Micro Courses (Udemy Style)
- Recruiter Network
- Assistance in Job Hunt
- Bonus Content
- Access to Premium Content
- 1 Year Access to Webinar & Guest Lectures
- Community Support

Learning Platform

- 100% Online; learn at your own pace
- Accessible from anywhere
- Clean Dashboard
- Transcripts of the content to help students whose primary language is not English

Pre-Requisites

- Basic understanding of life insurance products & concepts like time value of money, assumptions, reserves & decrements
- Basics of using MS Excel
- Willingness to put in the required effort

Curriculum

Learning Objectives

- Building well structured Actuarial Models for different life insurance products like Term Insurance, Unit Linked, Whole Life & Endowment.
- Perform actuarial analysis on results produced from these model

Part 1 : Modeling Skills

(Module 1-7)

These modules will focus on building modeling skills while developing a conventional life insurance product.

- Understanding Different Components of Model
- Process of Modeling
- Model Design / Structure
- Model Decisions, Approximations & Judgement
- Building Inputs : Data & Assumptions
- Monthly Cashflow Projection
- Decrement Modeling
- Calculating Reserves, Profit Signature & Solvency
- Building Metrics & Analysis Tools
- Building Automations
- Extending Model Capabilities
- Exercises, Quizzes & Assignments

Part 3 : Linked Modeling

(Module 12-14)

These modules will discuss modeling & pricing in case of linked products.

- Understanding the Product
- Model Structure
- Identification of Required Components
- Building the Model
- Extending The Model Capabilities & Complexity

Part 2 : Advanced Modeling Skills

(Module 8-11)

These modules will discuss advanced aspects of modeling with conventional product as reference.

- Model Governance
- Best Practices of Modeling
- Optimization
- Understanding Errors in the Model
- Validation Methods
- Model Development Lifecycle
- User Acceptance Testing
- Developing Analysis & Testing Template
- Different Types of Model Documentation
- Exercises, Quizzes & Assignments

Post-Module Learning

- Bonus Modules
- Assignments
- Quizzes
- Case Studies

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