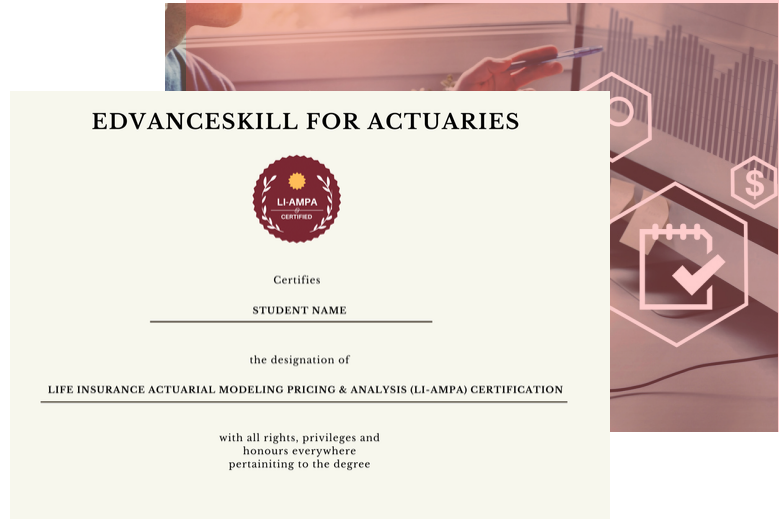


Life Insurance - Actuarial Modeling Pricing & Analysis (LI-AMPA) Certification Program

Life Insurance - Actuarial Modeling Pricing & Analysis (LI-AMPA) Certification Program focuses on core actuarial skills applied in real world to make you stand extraordinarily. Covers Actuarial Modeling, Pricing & 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



Our Approach

-  **Gamified Learning**
-  **Designed by Experienced Professionals**
-  **Focus on Practical Learning**
-  **Regular Content Upgradation**
-  **Global Actuarial Community**



Life Insurance - Actuarial Modeling Pricing & Analysis (LI-AMPA) Certification Program

Course Overview

- 22 Modules
- 250+ 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 Udeemy Courses
- 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
- Understand the dynamics of product development & pricing

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 : Product Design & Pricing

(Module 12-16)

These modules will discuss pricing & analysis for conventional product through the model we built in previous modules.

- Product Design
- Process of Pricing & Its Iterative Nature
- Calculation Methods
- Profit Criterion
- Building Premium Rate Calculation Functionality
- Premium Adjustment Methods
- Considering Business Strategy
- Building Financial Projections
- Analysis - Sensitivity, Scenario & Stress Testing
- Reporting to the Regulator
- Pricing Controls
- Exercises, Quizzes & Assignments

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

Part 4 : Linked Modeling & Pricing

(Module 17-22)

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
- Understanding the Pricing Process
- Profit Testing
- Considering Business Strategy
- Building Financial Projections
- Analysis - Sensitivity, Scenario & Stress Testing
- Exercises, Quizzes & Assignments