Actuarial Education: Global and Regional Perspectives

المؤتمر العربي للإكتواريين ٢٠٢٥
ARAB ACTUARIAL CONFERENCE 2025

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July 10 2025

ACTEX Learning

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A Benefit Corporation Experienced at Teaching Actuaries

- Textbook Publishing
- Classroom teaching tools
- Exam Prep
- Online Courses
- Database Questions
- Academic Global Network

Experienced	Trustworthy	Mission Focused
More than 50 years experience in helping students prepare and pass actuarial exams	ACTEX Learning is a leading US based provider of study materials for actuarial exams	We are a Benefit Corporation focusing on the mission of Accessible High Quality Actuarial Education
We are an eLearning technology and education company leveraging experts in the field to constantly update our learning content in a format that works for you.	Our authors and content contributors are renowned academics and Actuaries that are proud to have their names in the cover of our manuals and Textbooks!	We're dedicated to empowering actuarial students by offering test prep materials that are not just effective and efficient but also tailored to suit every type of student
About ACTEX Learning	Educational Community (actexlearning.com)	ACTEX, A Benefit Corporation (actexlearning.com)

Actuarial Education: A Global Perspective

1. **Actuarial Education: A Core Need in the World Today**
2. **Global Models of Education**
3. **Regional insights from the eye of ACTEX learning**

Actuarial Education: A Core need in the World Today

- The actuarial profession is increasingly central to the global dialogue on creating a fairer and more sustainable world.

- The United Nations Development Program (UNDP), which works globally to eradicate poverty and reduce inequality, has identified the insurance sector as a key factor in achieving their Sustainable Development Goals (SDGs). Insurance and risk protection mechanisms directly support six SDGs and are crucial to the successful realization of five others.

Insurance Contribution to the Sustainable Development Goals (SDGs)

Insurance as a risk protection mechanism critically and directly support 6 SDGs:

- Insurance helps to end poverty in all its forms everywhere
- Insurance helps to end hunger, achieve food security, improved nutrition and promote sustainable agriculture
- Insurance helps to ensure healthy lives and promote well-being for all at all ages
- Insurance helps to achieve gender equality and empower all women and girls
- Insurance helps to promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
- Insurance helps to take urgent action to combat climate change and its impacts

...and is important to the completion of five others:

Global Models of Education of Actuaries

Exam-Based Systems

- SOA and CAS: USA, Canada, HK, Taiwan, Singapore, Middle East…
- IFoA: UK, Ireland, India and other countries in South Asia, HK, Singapore, Kenya and most of East Africa, Nigeria and also Middle East
- ASSA: South Africa
- IAI: India
- CAA: China
- …

University-Based Systems

- Most of Europe, including France
- Brazil
- Mexico
- Argentina

Hybrid Systems

- Combine university coursework with professional exams or modules

- CIA (Canada)
- IAI (Australia)

Emerging Systems

- All South America except Brazil, Mexico and Argentina
- Ghana

- Non-regulated or loosely regulated systems
- Professional bodies are in the early stages of defining qualification pathways and regulatory standards

- Algeria!☺

Regional insights from the eye of ACTEX learning

Distribution of net sales Jan 2025 to June 2025 in the Arab World (ACTEX Learning data)

- Mostly SOA and CAS impregnation view

Creating Lasting Impact

Empowering Professors: Actuarial Faculty Development Program (AFDP) in Partnership with the UNDP-Milliman GAIN Program

Global Actuarial Insurance Initiative (GAIN)

Program Goal

- Enhance global sustainable development through enhancement of the actuarial profession in the developing world.

Partnership Goal

- Milliman will work within the UNDP target countries, and with other stakeholders, to advance the program goal as part of a full spectrum of interventions in eradicating poverty.

- Actuarial education and training is one of several key elements
- ACTEX Learning leading the Actuarial Faculty Development Program (AFDP)

Key Education Challenges in GAIN Countries

Key Challenges

- Little to no expertise in starting up an actuarial science degree program
- Curriculum standards do not meet international recognition
- Members of the faculty do not have actuarial science expertise or experience in the insurance field
- Little to no connection between academia and the industry for relevant research
- Curriculum is theoretical focusing on mathematics and statistics with little to no practical actuarial content
- Improper expectations of employers for actuarial science graduates
- Little awareness about actuarial science in country, resulting in a lack of ability to attract talents to the program

Our answer: Actuarial Faculty Development Program (AFDP)

Actuarial Education Bootcamp

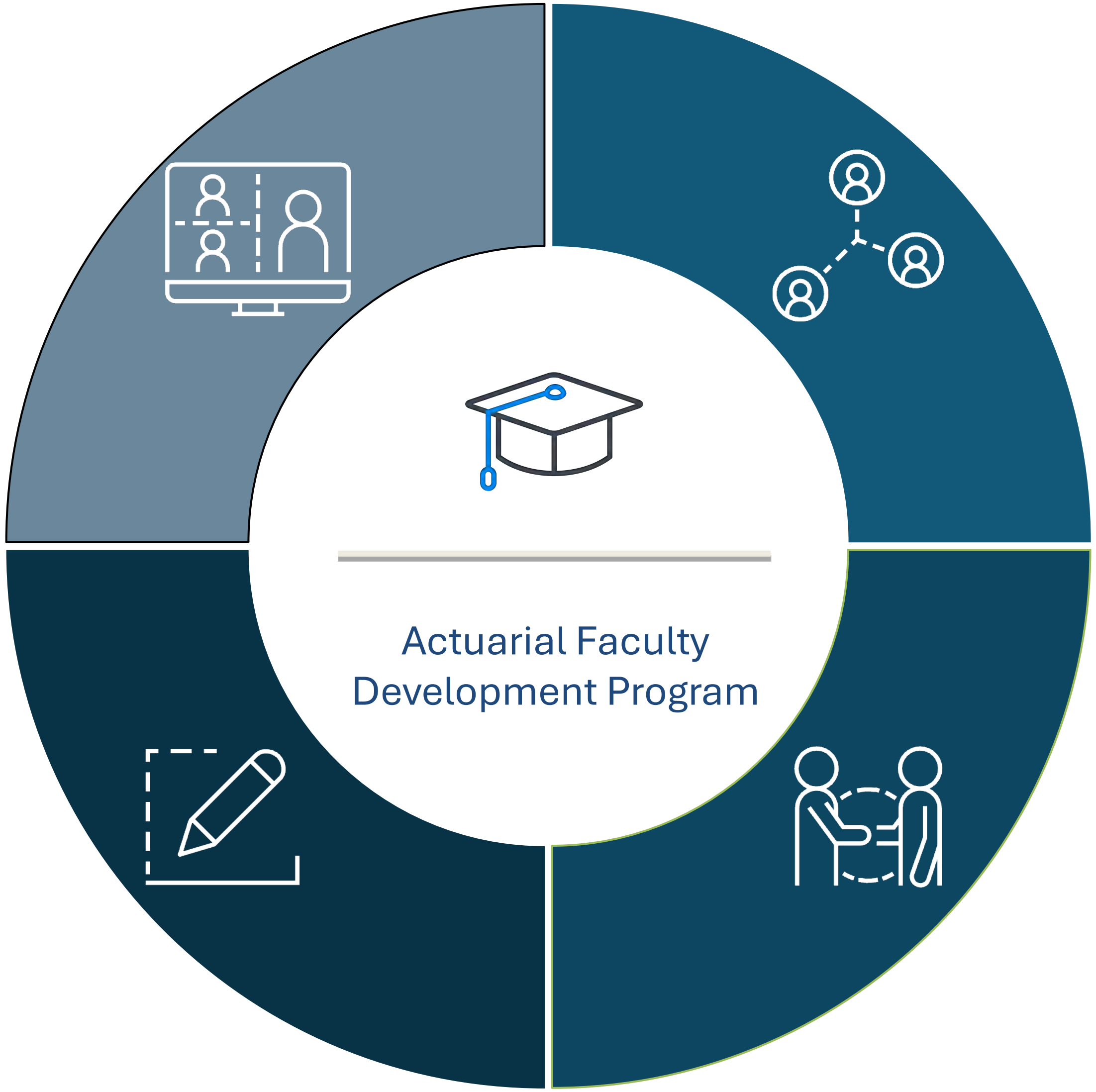
Virtual live lectures focused on:

1. Insurance principles and the actuarial profession
2. Technical actuarial skills
3. Professionalism and Ethics
4. Actuarial Pathways
5. Actuarial Science Program Development

Curriculum Resources

Recommendations for curriculum and access to resources to provide in the classroom:

1. Open access to digital resources provided through the Bootcamp
2. Academic GOAL bundles including student access for one academic year



Community of Practice

Online platform for members of the program to pose questions, interact with international community of actuarial science faculty, and receive inspiration.

Mentorship

Direct mentorship with experience university faculty to provide ongoing support.

2024 AFDP Cohort: Global Participation, Sponsorship and Engagement

International Sponsorship:

- SOA
- CAS
- IFoA
- University of New South Wales (UNSW)
- NAS
- ACTEX

33 Volunteers:

- Milliman
- IAA
- Professors
- ACTEX

Enrollment Overview: 2025

International Sponsorship:

- SOA
- CAS
- IFoA
- Colombian Actuarial Society
- CAS South America Case Study competition
- ACTEX

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Thank you!

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