BPP
LYCEUM EDUCATION GROUP

AI for Actuaries

Bring AI into actuarial work, **with rigour intact.**

Designed by actuarial experts. Delivered by AI experts.

Apply AI to the work you already know

- Live, instructor-led training
- Applied to real actuarial work
- Foundational and Practitioner levels
- From single tasks to a workflow
- Guided practice and expert review

Explore the possibilities. Test the assumptions.

Use AI to investigate actuarial questions, interrogate information and communicate complex findings more clearly.

Why this matters now

Actuarial work depends on understanding what sits behind the numbers: the data, methods and assumptions shaping an outcome. AI can help you explore information, test lines of enquiry and develop clearer explanations of your findings. These courses show you how to apply it across actuarial tasks and workflows, while keeping uncertainty, limitations and professional judgement visible in the conclusions you reach.

Course 1

Foundational

Use AI more effectively in individual tasks

Work you'll recognise: organising an experience-analysis briefing; questioning the data and assumptions behind an AI-assisted analysis.

You'll leave able to

1. **Use AI to support research, analysis and reporting across pricing, reserving, capital and experience work**
2. **Check that the data, sources and assumptions behind an AI output suit the actuarial question**
3. **Explain the uncertainty and limits of an output, keeping judgement over methods and decisions**

Course 2

Practitioner

Use AI to connect multiple tasks into a workflow

Work you'll recognise: mapping a recurring experience-reporting process; testing data and period exceptions through a controlled workflow.

You'll leave able to

1. **Pick a useful AI step in experience reporting and map its inputs and human decisions**
2. **Build and test a guided prototype on approved methods, including data and period exceptions**
3. **Explain the permissions, review, escalation and evidence a workplace pilot would need**

Tested working drafts and evidence for a next step, not approval to deploy.

At a glance

Learn

10 hours over two days
Live online and instructor-led

Apply

Within two weeks
In the workplace
One approved task based on real actuarial work
Instructor feedback

Review in group

1 hour group clinic
Live online and instructor-led
Shared peer learnings

Ongoing support

Templates, checklists and case examples available from day one, plus 90 days of support.

Ways to join

Courses run in cohorts of 15 learners.

Have enough people for a full cohort? Train your team together, on your own actuarial work and review standards. We can even explore tailoring.

Not quite enough people, or want to test it first? Talk to us about your team's needs.

£7,000
Full closed cohort

Cost is per course. Prices exclude VAT.

What you'll learn

Practical skills to bring AI into your role, whatever your starting point.

Course 1: Foundational

You'll learn to use AI on the task in front of you, and check the answer before you rely on it.

1. Gain confidence with AI in actuarial practice

Know where AI suits pricing, reserving, capital and experience work, and write prompts that meet professional standards.

2. Use AI for everyday actuarial work

Cut manual effort, research assumptions and regulation with source checks, and turn results into board-ready narrative.

3. Use AI tool with actuarial data

Judge data quality, weigh AI against traditional methods, and frame clear pricing, reserving and capital questions.

4. Use AI responsibly in actuarial practice

Protect policyholder data, check outputs for bias and explainability, and keep your judgement in line with the Actuaries' Code.

Course 2: Practitioner

You'll learn to design, build and test AI-supported actuarial workflows, assistants and agents, with human approval before anything is released.

1. Design AI-enhanced actuarial workflows

Map pricing, reserving or experience workflows, find where AI adds value, and place actuarial review where errors matter.

2. Build and monitor actuarial AI workflows

Ground reusable prompts in approved methods, then test them against acceptance criteria and measure ROI before use.

3. Deploy AI assistants and agents

Design a bounded agent and a grounded assistant, with clear permissions, escalation and human review.

4. Run multi-agent systems

Set agent roles and hand offs for processes like quarterly reserving, carrying assumptions and model versions, with stop controls and audit trails.

Who it's for

Roles

Actuarial professionals, including analysts, actuaries and managers, regardless of seniority or time in role.

Starting knowledge

Complete an AI skills diagnostic before the course begins to benchmark your current capability.

Foundational requires no previous AI experience. Practitioner is for people who already use and check AI on individual tasks.

Not sure which course?

Course 1: Foundational
"I want to use AI better on the task in front of me."

Course 2: Practitioner
"I already use AI confidently on tasks, and now want it to create AI-driven processes and workflows."

Choose by your AI experience, not your seniority.

Time and support

Learn live for 10 hours

Training, guided labs and feedback take place over two days. Materials available from day one; no advance study is required.

Apply one task

Within two weeks, try a suitable task using an approved tool and permitted information, or use a supplied case. Keep your reviewed work and a question for the instructor.

Return with your questions

Join a one-hour group clinic around day 30. Use the templates, checklists, worked cases and feedback for 90 days.

See your progress

Ongoing capability diagnostics show where your skills and confidence are growing, and where to explore and practise next.

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Not sure where AI fits in your work?

Here's what you could learn to do.

Foundational

Organise an experience-analysis briefing

- Structure technical information and questions while you keep ownership of methods and assumptions
- Check that the data, sources and assumptions suit the question
- Explain the uncertainty and limits of the result

Practitioner

Prototype AI support for recurring experience reporting

- Connect an AI synthesis step to a controlled reporting process
- Test data and period exceptions
- Set where an actuary checks or approves

Why learn this with BPP?

Lecture
See an example explained

Lab
Try it in practice

Review
Review your result with an expert

Our accelerated learning framework moves learners between focused instruction, hands-on application and structured reviews. Built on practice, feedback and repetition, it turns knowledge into reliable, in-role performance.

A trusted learning partner to the financial services sector for almost 50 years.

Delivering training programmes to all 10 leading global investment banks.

Skills partner to 500 financial services organisations, including many exclusive relationships.

Is AI adoption a whole workforce priority?

From everyday work to building AI tools and leading AI decisions, our training covers every level. Connect pathways across apprenticeships, degrees, certifications and short courses, so your people strategy keeps pace with your AI strategy.

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