

Study Guide: AWS Certified Generative AI Developer – Professional

The AWS Certified Generative AI Developer – Professional certification validates that a developer has strong, hands-on skills in building and shipping real, production-grade AI applications using AWS tools like Bedrock — not just experimenting with prototypes. It's aimed at developers who already have a couple of years of cloud experience and want to level up their careers by proving they can take generative AI projects from concept to deployment. For companies investing in AI, the credential offers a dependable signal for spotting talent capable of delivering production-ready systems that generate real business value, while still keeping security and cost management in check.

Disclaimer: This is a personal study plan I put together for my own preparation and it is not official AWS material and isn't a guarantee that following it will help you pass the exam. Your results will depend on your own background, experience, and effort. Use it as a starting point, not a substitute for the official AWS exam guide and resources. Before You Start

Section 1: Udemy Course

Course: Ultimate AWS Certified Generative AI Developer – Professional ([udemy.com/course/ultimate-aws-certified-generative-ai-developer-professional/](https://www.udemy.com/course/ultimate-aws-certified-generative-ai-developer-professional/))

The course runs ~26 hours and does not follow the exam's domain structure, so there's no point mapping days to domains. Watch it at 2x speed and budget 2 hours/day for the first 13 days, then use Days 14–15 for the two practice exams in study mode (untimed, with explanations reviewed as you go) at 4 hours each.

Day	Activity	Hours
1	☐ Watch course videos	2 hrs
2	☐ Watch course videos	2 hrs
3	☐ Watch course videos	2 hrs
4	☐ Watch course videos	2 hrs
5	☐ Watch course videos	2 hrs
6	☐ Watch course videos	2 hrs
7	☐ Watch course videos	2 hrs
8	☐ Watch course videos	2 hrs
9	☐ Watch course videos	2 hrs
10	☐ Watch course videos	2 hrs
11	☐ Watch course videos	2 hrs
12	☐ Watch course videos	2 hrs
13	☐ Watch course videos	2 hrs
14	☐ Practice Exam #1 (study mode) — review every answer and explanation as you go	4 hrs
15	☐ Practice Exam #2 (study mode) — review every answer and explanation as you go	4 hrs

Section 2: AWS Skill Builder — Domain Review

Course: AWS Certified Generative AI Developer – Professional (aws.amazon.com/certification/certified-generative-ai-developer-professional)

This section is reading and concept heavy and it reinforces what you learned in the Udemy course and sharpens focus on the exact technology concepts the exam tests. For each domain below, complete all three activities (Domain Review, Domain Practices, Domain SimuLearn), budgeting 1.5 hours per activity — 4 hours per domain, 20 hours total.

Domain 1: Foundation Model Integration, Data Management, and Compliance

- ☐ Domain Review (1.5 hrs)
- ☐ Domain Practices (1 hrs)
- ☐ Domain SimuLearn (1.5 hrs)

Domain 2: Implementation and Integration

- ☐ Domain Review (1.5 hrs)
- ☐ Domain Practices (1 hrs)
- ☐ Domain SimuLearn (1.5 hrs)

Domain 3: AI Safety, Security, and Governance

- ☐ Domain Review (1.5 hrs)
- ☐ Domain Practices (1 hrs)
- ☐ Domain SimuLearn (1.5 hrs)

Domain 4: Operational Efficiency and Optimization for GenAI Applications

- ☐ Domain Review (1.5 hrs)
- ☐ Domain Practices (1 hrs)
- ☐ Domain SimuLearn (1.5 hrs)

Domain 5: Testing, Validation, and Troubleshooting

- ☐ Domain Review (1.5 hrs)
- ☐ Domain Practices (1 hrs)
- ☐ Domain SimuLearn (1.5 hrs)

Section 3: AWS Practice Exam

The official AWS practice exam is full length and takes 3 hours to complete, plus another 3 hours to review and study your misses. Repeat the cycle until you consistently score 85% or higher.

- ☐ Attempt 1 — Full exam (3 hrs) → Review + study misses (3 hrs)
- ☐ Attempt 2 — Full exam (3 hrs) → Review + study misses (3 hrs)
- ☐ Attempt 3 — Full exam (3 hrs) → Review + study misses (3 hrs)
- ☐ Repeat until score $\geq$ 85%
- ☐ Schedule and sit for the certification exam