

PROFESSIONAL COURSE OUTLINE

Microsoft

GitHub Agentic AI Developer (beta)

Program aligned

You should have subject matter expertise in operating, integrating, supervising, and governing AI agents inside production-grade SDLC workflows and development environments, ensuring reliability, safety, and velocity using GitHub as the system of record and control plane.

Software Dev

Intermediate

Github

PROGRAM CODE

Program aligned

DELIVERY

Virtual, On-site, or Hybrid

DURATION

Exam: 100 minutes

CERTIFICATION

GitHub Certified: Agentic AI Developer (beta)

AUDIENCE PROFILE

Who This Program Is For

Built for AI Engineer, Maker, Data Engineer, Developer, Devops Engineer, Solution Architect learners preparing for GitHub Agentic AI Developer (beta).

PROGRAM SUMMARY

What This Course Covers

You should have subject matter expertise in operating, integrating, supervising, and governing AI agents inside production-grade SDLC workflows and development environments, ensuring reliability, safety, and velocity using GitHub as the system of record and control plane.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.



Plan the next session

We can tune this outline around your delivery goals and team mix.

TALK TO US

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MODULE 1

Domain 1: Prepare agent architecture and SDLC processes (15-20%)

Official Microsoft Learn measured skill area for GitHub Agentic AI Developer (beta).

- Domain 1: Prepare agent architecture and SDLC processes (15-20%)
- Domain 2: Implement Tool Use and Environment Interaction (20-25%)

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MODULE 2

Domain 2: Implement Tool Use and Environment Interaction (20-25%)

Official Microsoft Learn measured skill area for GitHub Agentic AI Developer (beta).

- Domain 3: Manage Memory, State, and Execution (10-15%)
- Domain 4: Perform Evaluation, Error Analysis, and Tuning (15-20%)

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MODULE 3

Domain 3: Manage Memory, State, and Execution (10-15%)

Official Microsoft Learn measured skill area for GitHub Agentic AI Developer (beta).

- Domain 5: Orchestrate Multi-Agent Coordination (15-20%)
- Domain 6: Implement Guardrails and Accountability (10-15%)

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MODULE 4

Domain 4: Perform Evaluation, Error Analysis, and Tuning (15-20%)

Official Microsoft Learn measured skill area for GitHub Agentic AI Developer (beta).

- Domain 4: Perform Evaluation, Error Analysis, and Tuning (15-20%)

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MODULE 5

Domain 5: Orchestrate Multi-Agent Coordination (15-20%)

Official Microsoft Learn measured skill area for GitHub Agentic AI Developer (beta).

- Domain 5: Orchestrate Multi-Agent Coordination (15-20%)

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MODULE 6

Domain 6: Implement Guardrails and Accountability (10-15%)

Official Microsoft Learn measured skill area for GitHub Agentic AI Developer (beta).

- Domain 6: Implement Guardrails and Accountability (10-15%)