

Course : Get Started with AI-Assisted Development (Microsoft AZ-2007)

AZ-2007 Official Course

Practical course - 1d - 7h00 - Ref. AAG
Price : 850 € E.T.

NEW

In this course, you'll learn how to speed up application development using GitHub Copilot in Visual Studio Code. You'll discover how to generate code, create tests, and improve the quality of your projects by effectively leveraging AI-powered assistance to boost productivity.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding the Features and Benefits of GitHub Copilot
- ✓ Generate code comments and project documentation
- ✓ Use GitHub Copilot to develop new features in an application
- ✓ Create unit tests using GitHub Copilot
- ✓ Improve the quality, reliability, performance, and security of the code

Intended audience

Intermediate developers who want to learn how to use GitHub Copilot and Copilot Chat in Visual Studio Code to speed up application development.
 Participants with an active GitHub Copilot subscription for a personal GitHub account or a GitHub account managed by an organization or company.

Prerequisites

Have an active GitHub Copilot subscription for a personal GitHub account or a GitHub account managed by an organization or company.
 At least 1 year of development

PARTICIPANTS

Intermediate developers who want to learn how to use GitHub Copilot and Copilot Chat in Visual Studio Code to speed up application development.
 Participants with an active GitHub Copilot subscription for a personal GitHub account or a GitHub account managed by an organization or company.

PREREQUISITES

Have an active GitHub Copilot subscription for a personal GitHub account or a GitHub account managed by an organization or company.
 At least 1 year of development experience, ideally in C# using Visual Studio Code with the C# Dev Kit extension. Good understanding of written English.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.
 Assessment by the participant, at the end of the training course, of the skills acquired during the training course.
 Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.
 At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.
 An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

experience, ideally in C# using Visual Studio Code with the C# Dev Kit extension. Good understanding of written English.

Practical details

Teaching methods

The training is conducted in French. Official course materials are available in digital format and in English.

Course schedule

1 Getting Started with GitHub Copilot

- Explore the AI tools from GitHub, OpenAI, and Microsoft.
- Compare GitHub Copilot plans.
- Explore GitHub Copilot's features.
- Review the GitHub Copilot installation process.
- Configure GitHub Copilot settings in Visual Studio Code.
- Manage GitHub Copilot policies, features, and extensions for individuals.
- Explore GitHub Copilot's code completion features.
- Explore GitHub Copilot's AI-powered features.
- Explore the features of the Conversation view in GitHub Copilot.
- Explore online chat, smart actions, and quick chat.

Hands-on work

Review GitHub Copilot settings and user interface features.

2 Generate documentation using GitHub Copilot tools

- Explore the “explain” and “document” features of GitHub Copilot.
- Review GitHub Copilot prompts and keywords.
- Analyze and explain code using GitHub Copilot.
- Generate project documentation using GitHub Copilot.
- Generate online code comment documentation using GitHub Copilot.

Hands-on work

Analyze and document code using GitHub Copilot.

3 Develop code features using GitHub Copilot tools

- Explore GitHub Copilot's code-generation features.
- Review GitHub Copilot best practices.
- Generate code using GitHub Copilot's code completion suggestions.
- Generate code using GitHub Copilot Chat.

Hands-on work

Develop new code features using GitHub Copilot.

4 Develop unit tests and improve code using GitHub Copilot tools

- Review the unit testing tools and environment.
- Create unit tests using the "Generate Tests" smart action.
- Create unit tests using Inline Chat
- Create unit tests using GitHub Copilot's Conversation modes.
- Explore GitHub Copilot's code-improvement features.
- Explore GitHub Copilot's quick-fix options.
- Review code refactoring scenarios and GitHub Copilot best practices.
- Refactor code using inline chat.
- Refactor code using GitHub Copilot's Conversation modes.
- Explore GitHub Copilot's code review features.

Hands-on work

Develop unit tests using GitHub Copilot.

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Dates and locations

REMOTE CLASS

2026 : 11 Dec.

2027 : 19 Mar., 25 June, 17 Sep., 10 Dec.

PARIS LA DÉFENSE

2026 : 11 Dec.

2027 : 19 Mar., 25 June, 17 Sep., 10 Dec.