

Course : GitHub Copilot (Microsoft GH-300)

Official GH-300 Course: Exam Preparation

Practical course - 1d - 7h00 - Ref. GHC

Price : 830 € E.T.

NEW

In this training course, you'll explore the use of AI in the context of GitHub Copilot, a generative AI tool designed for developers. It will equip you with the knowledge and skills needed to use Copilot effectively, while minimizing the ethical and operational risks potentially associated with the use of AI.

Teaching objectives

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

- ✓ Understanding the Principles of Responsible AI Use with GitHub Copilot
- ✓ Explore and Set Up GitHub Copilot in Different Development Environments
- ✓ Learn how to write effective prompts to optimize code suggestions
- ✓ Use Copilot's advanced features to improve coding productivity
- ✓ Applying Copilot to Practical Scenarios (Tests and Workflows)

Intended audience

Developers and AI engineers, data scientists, decision-makers and business leaders, as well as public policymakers involved in the governance and responsible use of AI.

Prerequisites

An active GitHub Copilot subscription is required for a personal GitHub account or a GitHub account managed by an organization or company.

Practical details

Teaching methods

The training session will be conducted in French. Official course materials are available in digital format and in English.

Course schedule

1 Fundamentals of GitHub Copilot (Part 1 of 2)

PARTICIPANTS

Developers and AI engineers, data scientists, decision-makers and business leaders, as well as public policymakers involved in the governance and responsible use of AI.

PREREQUISITES

An active GitHub Copilot subscription is required for a personal GitHub account or a GitHub account managed by an organization or company.

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.

1 Fundamentals of GitHub Copilot (Part 1 of 2)

- Responsible AI with GitHub Copilot.
- Introducing GitHub Copilot.
- Introduction to Prompt Engineering with GitHub Copilot.
- Introducing Copilot Spaces.
- Use GitHub Copilot's advanced features.
- GitHub Copilot in various environments (IDE, chat, etc.).
- Factors to Consider for Customization and Management.
- AI Use Cases for Developers with GitHub Copilot.
- Developing unit tests with GitHub Copilot.

2 Fundamentals of GitHub Copilot (Part 2 of 2)

- Building Applications with GitHub Copilot Agent Mode.
- Speed up development with the GitHub Copilot coding assistant.
- Introduction to the MCP Server.
- Improve code reviews and pull requests with GitHub Copilot.
- Using GitHub Copilot with JavaScript.
- Using GitHub Copilot with Python.

Options

Certification : 200€ H.T.

This programme is an original creation, developed by the teaching teams at ORSYS Formation. Any reproduction, representation, adaptation or use, in whole or in part, without the prior written authorisation of ORSYS, is strictly prohibited. ORSYS reserves the right to take any action necessary to protect its intellectual property rights.

Dates and locations

REMOTE CLASS

2027 : 22 Feb., 10 May, 5 July, 15 Nov.

PARIS LA DÉFENSE

2027 : 22 Feb., 10 May, 5 July, 15 Nov.