



# CERTIFIED Professional

Designed for professional developers

This certification is designed for professionals in roles such as Unity Developer, Software Engineer, Software Developer, Mobile Application Developer, and Gameplay Programmer.

The Professional: Programmer certification exam tests the core skills needed to contribute to the technical execution of a project from conception through launch, and beyond. Highlight to employers that you are adept at coding solutions to tricky problems and demonstrate that you possess professional-level skills to script user interactions, implement application state logic, simulate physics, debug code, and optimize performance.

## Prerequisites

- 2+ years of practical experience in game or 3D interactive programming using Unity
- 2+ years of practical experience in computer programming, including C#
- Experience in the full software development lifecycle, from concept through completion
- Understanding of professional applications for software development with Unity, including game development, interactive entertainment, and design visualization
- Basic understanding of the visual/3D asset and animation pipeline in Unity, including character and environment setups
- Understanding of professional team software development practices, including unit testing and version control
- Knowledge of Unity Services for collaboration, monetization, live operations and multiplayer
- Understanding of mathematics critical to 3D interactive development, including linear algebra and matrix operations

What's on the exam?

You can expect to see questions across these topics:

- Programming core interactions
- Working in the art pipeline
- Developing application systems
- Programming for scene and environment design
- Optimization of performance and platforms
- Working in software development teams
- Common C# programming constructs

Exam Details

This exam is available in the following languages. Click for more details:

- [English \(2022 LTS\)](#)
- [Japanese](#)

Learn and practice

You can prepare to pass this certification with the following:

### **Courseware**

Learn and practice the skills to be successful on exam day through an effective combination of videos, assessments, and challenges, including:

- 15+ coding challenges with expert solutions
- 8+ hours of video instruction in four full courses
- 2 Unity projects
- Assessments and quizzes throughout

### **Practice test**

Prepare to take your exam with an official [practice test](#).