

**CERTLABZ****CERTIFICATION BOARD****CMVD-001**

# Certified Metaverse Developer (CMVD)

## Exam Objectives CMVD-001

### About the exam

| Item                | Detail                                                                                                                                                                                                                                                                                               |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Level               | Advanced                                                                                                                                                                                                                                                                                             |
| Number of questions | 120. A performance-based exam: each form can carry up to 5 to 12 performance-based questions alongside the multiple-choice questions.                                                                                                                                                                |
| Delivery model      | Computer adaptive in 3 stages of 42, 39, 39 questions. Your score on each stage selects the difficulty of the next, so no two candidates sit the same paper.                                                                                                                                         |
| Time limit          | 180 minutes                                                                                                                                                                                                                                                                                          |
| Scoring             | You need a score of 700 out of 900 to pass. Results are reported on a scale of 100 to 900, and 700 corresponds to answering 72% of the exam correctly. Harder questions carry more weight, so a score means the same thing on any route. Multiple-response items and PBQs are scored all or nothing. |
| Delivery            | Online, fully proctored (webcam, microphone and screen).                                                                                                                                                                                                                                             |
| Prerequisites       | No formal prerequisite. Candidates do best with hands-on 3D, XR or software development experience and 40 to 60 hours of study.                                                                                                                                                                      |
| Retakes             | No waiting period after a failed first attempt. Candidates pay the exam price each time they attempt the exam. See the CertLabz Certification Retake Policy at <a href="https://certlabz.com/certification-retake-policy.html">certlabz.com/certification-retake-policy.html</a>                     |
| Validity            | 3 years. Renew with 75 CEUs per cycle and the \$55 annual continuing-education fee, or by passing the current exam.                                                                                                                                                                                  |
| Language            | English                                                                                                                                                                                                                                                                                              |
| Exam voucher        | \$199 for one sitting, valid 12 months. Bundles add the study guide ebook and the All Access plan.                                                                                                                                                                                                   |

### Domain weights

| Domain                                     | Questions |
|--------------------------------------------|-----------|
| D1 Metaverse Foundations (16%)             | 19        |
| D2 3D Worlds and Avatars (16%)             | 19        |
| D3 Development Platforms and Engines (17%) | 21        |

D4 Interoperability and Assets (17%)

|                                          |            |
|------------------------------------------|------------|
|                                          | 21         |
| D5 On-Chain Economies and NFTs (17%)     | 20         |
| D6 Identity, Safety and Governance (17%) | 20         |
| <b>Total (100%)</b>                      | <b>120</b> |

## Objectives by domain

Each objective may appear as knowledge, a scenario to judge, a circuit to trace or assemble, or a number to compute. Each form can carry up to 5 to 12 performance-based questions: drag-and-drop matching, sequencing and table completion, drawn fresh each attempt. The exam does not test any vendor's SDK syntax.

### D1 Metaverse Foundations

16% 19 questions

- D1.1 What the metaverse is
- D1.2 Immersive platforms
- D1.3 XR and the web
- D1.4 Use cases
- D1.5 Building blocks
- D1.6 Key terms

### D2 3D Worlds and Avatars

16% 19 questions

- D2.1 3D scenes
- D2.2 Assets and meshes
- D2.3 Avatars
- D2.4 Animation
- D2.5 Spatial audio
- D2.6 Physics

### D3 Development Platforms and Engines

17% 21 questions

- D3.1 Game engines
- D3.2 World-building tools
- D3.3 SDKs
- D3.4 Networking and multiplayer
- D3.5 Streaming
- D3.6 Deployment targets

### D4 Interoperability and Assets

17% 21 questions

- D4.1 Open standards
- D4.2 Portable avatars
- D4.3 glTF and formats
- D4.4 Cross-world assets
- D4.5 Identity portability
- D4.6 Data exchange

## D5 On-Chain Economies and NFTs

17% 20 questions

- D5.1 Digital ownership
- D5.2 NFTs and tokens
- D5.3 Marketplaces
- D5.4 Virtual land
- D5.5 Wallets in-world
- D5.6 Economic design

## D6 Identity, Safety and Governance

17% 20 questions

- D6.1 Identity and privacy
- D6.2 Moderation and safety
- D6.3 Accessibility
- D6.4 Harassment prevention
- D6.5 Governance
- D6.6 Compliance

### Continuing education

| Renewal                 | Requirement                                                 |
|-------------------------|-------------------------------------------------------------|
| Validity                | 3 years from the date of issue                              |
| CEUs required per cycle | 75                                                          |
| Annual CE fee           | \$55                                                        |
| Alternative to CEUs     | Pass the current version of the exam before the expiry date |

### Qualifying activities

| Activity                                                   | CEUs                               |
|------------------------------------------------------------|------------------------------------|
| CertLabz labs, PBQs, courses and SkillTracker assessments  | 1 CEU per hour, up to 25 per cycle |
| Other industry certifications earned or renewed            | 10 to 25 each, depending on level  |
| Conferences, webinars and training                         | 1 CEU per hour, up to 20 per cycle |
| Metaverse, XR, 3D or blockchain work experience            | 3 per year, up to 9 per cycle      |
| Teaching, mentoring, publishing or community contributions | Up to 15 per cycle                 |
| College courses in computing or design                     | 10 per completed course            |

## CertLabz Certification Retake Policy

- **No waiting period after a failed first attempt:** If you fail your first attempt at any CertLabz certification examination, CertLabz does not require any waiting period between the first and second attempt.
- **Once you pass, you cannot resit the same exam code:** A candidate who has passed an exam and achieved a certification cannot take that exam again under the same exam code without prior consent from CertLabz. You will need to wait until a new series of the exam is published before attempting to recertify by examination.
- **Beta examinations, one attempt only:** A CertLabz beta examination may be taken one time by each candidate.
- **Violations invalidate the attempt:** A test found to be in violation of this policy will be invalidated, and the candidate may be subject to a suspension period. Repeat violators will be permanently banned from the CertLabz Certification Program.
- **Every attempt is paid for:** Candidates must pay the exam price each time they attempt the exam. CertLabz does not offer free retests or discounts on retakes.

Published by the CertLabz Certification Board, a division of CertLabz LLC. Objectives document CMVD-001.  
<https://certlabz.com/certifications/certified-metaverse-developer.html>