

# Veeam Certified Engineer (VMCE) classroom course description

The Veeam Certified Engineer (VMCE) course is a 3 day technical deep-dive focused on teaching engineers to architect, implement, optimize and troubleshoot the Veeam software solution. This class is designed for the professional services consultant and system administrator alike creating a Veeam expert who is able to maximize the benefit to a business. The VMCE course combines expert instruction with intensive hands-on exercises to provide the maximum knowledge transfer to each participant.

## Participants:

- System Engineer / Administrator
- Backup / Virtualization Administrators
- Pre-Sales / Post-Sales / Solution Architects / Consultants

Generally speaking any IT specialist eager to become an industry recognized expert on Veeam software solutions.

## Prerequisites:

- Have a solid virtualization, backup and recovery knowledge base
- Recommendation to have followed the online free technical course path on Veeam University (<http://www.veeam.com/university.html> - for end users) or Veeam ProPartner (for Veeam resellers)

## Objectives:



This certification is an excellent investment for an IT professional looking to increase productivity, reduce operating costs, increase potential for personal career advancement and gain recognition from the employer and customers.

By completing the Veeam Certified Engineer (VMCE) course you should be able to:

- Get more functionality out of Veeam solutions
- Identify and resolve issues more efficiently
- Gain a distinction from your peers

# Syllabus:

## 1. Module 1: Introduction

## 2. Module 2: Overview of Veeam products

- 2.1. Veeam Products
- 2.2. Veeam Availability Suite
- 2.3. Key Concepts

## 3. Module 3: Veeam ONE features and functionality

- 3.1. Auto Discovery of Backup and Virtual Infrastructure
- 3.2. Business Categorization
- 3.3. Pre-Defined Alerting
- 3.4. Unattended Monitoring
- 3.5. Reporting and Dashboards
- 3.6. Agentless Data Gathering
- 3.7. Hyper-V Specific Features
- 3.8. Veeam One Deployment
- 3.9. Veeam One Assessment Tool

## 4. Module 4: Deployment

- 4.1. Core Components and Their Interaction
- 4.2. Optional Components
- 4.3. Deployment Scenarios
- 4.4. Prerequisites
- 4.5. Upgrading Veeam Backup & Replication

## 5. Module 5: Initial Configuration

- 5.1. Adding Servers
- 5.2. Adding a VMware Backup Proxy
- 5.3. Adding a Hyper-V Off-host Backup Proxy
- 5.4. Adding Backup Repositories
- 5.5. Performing Configuration Backup and Restore
- 5.6. Managing Network Traffic
- 5.7. Global Notification Settings
- 5.8. Getting to Know User Interface

## **6. Module 6: Protect**

- 6.1. Creating Backup Jobs
- 6.2. Creating Restore Points with VeeamZIP and Quick Backup
- 6.3. Backup Copy
- 6.4. Replication
- 6.5. Creating VM/File Copy Jobs

## **7. Module 7: Verification**

- 7.1. SureBackup Recovery Verification
- 7.2. SureReplica

## **8. Module 8: Entire VM Recovery**

- 8.1. Data Recovery
- 8.2. Working with Veeam Backup & Replication Utilities
- 8.3. Insight into Recovery from Replica

## **9. Module 9: Objects Recovery**

- 9.1. Item-Level Recovery
- 9.2. Guest OS File Recovery

## **10. Module 10: Advanced Data Protection**

- 10.1. Tape Device Support
- 10.2. SAN Storage Systems Support
- 10.3. Support for Deduplicating Storage Systems
- 10.4. Veeam Cloud Connect
- 10.5. Veeam Backup Enterprise Manager
- 10.6. vCloud Director Support

## **11.11. Module 11: Product Editions**

- 11.1. Product Editions Comparison
- 11.2. Full and Free Functionality Modes

## **12.12. Module 12: Troubleshooting**

- 12.1. How to Identify the Problem
- 12.2. How to review and analyze the issue
- 12.3. Search for additional information
- 12.4. Veeam Support