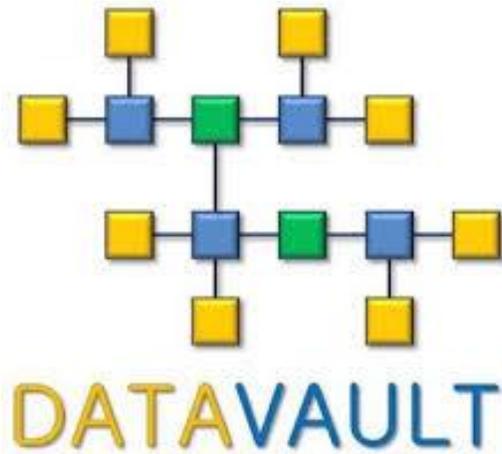# GENESEE ACADEMY
World-Class Training

Genesee Academy, LLC

DATAVAULT

CDVDM

The **Certified Data Vault Data Modeler** Course 2026

Forward

Thank you for your interest in the Data Vault certification course. Your successful completion of this course will result in a designation of Certified Data Vault Data Modeler – CDVDM.

Data vault modeling is specifically well suited for enterprise integration data projects where agility, data integration and historization are the priority. When applied to data warehousing programs data vault modeling can provide the organization with some very compelling benefits. These include unparalleled agility, support for incremental build, clean alignment with the business, auditability, and support for large scale enterprise data integration and data warehousing initiatives.

To gain these benefits the organization will need to commit to both EDW program level factors as well as ensemble modeling and data vault modeling patterns, related standards and best practices. This course will guide you through these modeling patterns, rules and methods to prepare you for successful data vault modeling in your organization.

Data Vault, and the leading Ensemble Modeling Pattern, is a modeling paradigm that can be successfully applied to all manner of data platforms, whether on-prem or cloud, and for all forms of data architectures (traditional, big data, streaming, distributed ledger, MS fabric, Mesh, etc.). The foundational Ensemble Logical Model (ELM) provides the framework for understanding the enterprise data asset independent of the physical architecture.

To leverage the power of data vault modeling it is imperative that you gain a detailed understanding of the underlying modeling pattern. This class will guide you to this level of deep understanding so that you can be successful in your modeling efforts and your data warehouse program.

We look forward to seeing you in the classroom.

The CDVDM Course

Welcome to the Certified Data Vault Data Modeler - CDVDM course! This course will guide you through the Data Vault modeling approach from modeling constructs and patterns to applying data vault principles in your enterprise data integration program. This course also covers effective business mapping (conceptual and logical modeling through ELM), how to develop an overall agile enterprise data program and is applicable to all enterprise data integration initiatives including those leveraging current and emerging data architectures (Cloud, Big Data platforms, Mesh, Streaming, & Blockchain). Since data vault may be new for you, this course also includes a summary of the benefits of using data vault techniques.

CDVDM Course Structure

The CDVDM course is a three (3) day intensive classroom-based course. The course consists of five (5) core components plus the certification exam. The classroom time is 40% Classroom Lecture, 30% Small Group Modeling Cases, 10% Individual Exercises and 20% Interactive Discussions.

The course materials consist of a course book that follows the classroom lectures and several modeling cases for the small group modeling labs. Class interactive discussions are based on these cases plus workbook examples. The course book is continually updated (version 45 published 2026) and contains the very latest advancements, insights and active best practices. These are based on the developments, experiences and active discussions by our consortium (DVEE) consisting of dozens of international experts, plus new guidance related to AI in the data and the data modeling space.

Course Outline

Day One

0830 Welcome & Introductions
0900 DW Modeling w/ CBC & NBR
0930 Ensemble Modeling & ELM
1000 Data Vault Core Constructs
1020 Comparing Modeling Methods
1030 Break
1045 Tracking History
1055 Information & Logical Modeling
1115 Data Vault Modeling Process
1115 Group & Individual Exercises
1200 Lunch
1300 Continue First Case
1345 Class Discussion & Groups Present
1415 Link Design & Unique, Specific NBR
1430 Keyed-Instance KI & RDH
1445 SAL/HAL
1500 CBC Hub & Key/Identifier Topics
1515 Break
1530 Context vs Concept & applied CBC/NBR
1545 Disconnected Pattern & Ref. Tables
1700 Wrap up for the Day

Day Two

0830 Q&A from Day One
0915 Continue 1st Modeling Case
1030 Break
1045 Class Discussion & Groups Present
1120 Satellite Design & Special Sats

1135 Expanded NBR & RDH Guidance
1150 Modeling Context Close to Key
1200 Lunch
1300 Group & Individual Exercises
1320 Applying the DV Ensemble
1335 Standard and Expanded Attributes
1350 Managing Dates / Bi-temporal Data
1400 Interactive White Board Topics
1445 Satellite Design
1515 Break
1545 Class Discussion & Groups Present
1615 Modeling Context SAT (w/ Address)
1630 Guidance (LSAT, MVSAT, T-Link)
1640 Recap White Board Topics; Q&A
1650 Begin 2nd Group Modeling Case
1700 Wrap up for the Day

Day Three

0830 Q&A from Day Two
0915 Continue 2nd Modeling Case
1030 Break
1045 Groups Present & Discuss
1120 Architecture & Loading Patterns
1135 Class Discussion
1150 Recap for Exam
1200 Lunch
1300 Recap & Discussions
1430 EXAM -or- Expanded Class
1630 Conclusion

Target Audience

The target audience for this course includes data modelers, enterprise architects, business analysts, model managers, data warehousing and business intelligence professionals, data warehouse DBAs, developers, testers, data scientists, ETL/ELT professionals, CTOs, CIOs, Data Governance & MDM professionals, Big Data & Streaming developers. Because ensemble and data vault modeling concepts are closely aligned with the business aspects of DWBI programs our target audience also includes program managers, information modelers, information architects, and other BICC & corporate data professionals.

Requirements and Pre-Requisites

This course does not require a computer or other device (unless delivered online). A computer or other device that can connect to the internet is required for the exam on day 3. All materials, workbooks, case books and exercises will be provided.

There are no pre-requisites for this course other than the included two (2) weeks of online on-demand video lessons from eLearning.GeneseeAcademy.com (provided as part of the class registration & useful to get all students familiar with the topic).

Registration and Fees

Please see GeneseeAcademy.com for Course Calendar and Pricing.

Contact Genesee Academy

For any other questions, please contact Genesee Academy
info@GeneseeAcademy.com

More Information on Data Vault

Linkedin.com/company/genesee-academy-llc
Standards: DVstandards.com
Book Available on Amazon & Kindle:
Modeling the Agile Data Warehouse with Data Vault