

# Teradata Education Course Catalog



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About this Catalog

We've included our most popular course offerings in this catalog—please visit [Teradata.com/University/Overview](https://teradata.com/University/Overview) for a complete listing of all courses available.



## Overview

### Teradata Education Services

Strengthen your skills, your career, and your value with world class training and certification

Teradata Education designs, develops and delivers education that builds skills and capabilities to enable your company to maximize and expand its Teradata investment. Through both our free and cost-effective training, you have access to our highly experienced instructors and a world-class collection of online content that:

- Builds the know-how of technical staff to keep systems running smoothly and efficiently
- Teaches developers how to quickly and effectively implement applications that meets the needs of the business
- Helps business users discover ways to unlock the power of data, increasing your organization's ROI
- Ensure that technical capabilities are recognized through **Teradata Certification** and badging programs.







# Benefits of Teradata Education

## Blended Learning Approach

Teradata offers a variety of formats to suit your needs. The combination of on-demand courses through Teradata University, along with hands-on instructor-led training, gives each user level a wide range of opportunities to gain knowledge and expand skills. Our flexible education options build upon and complement one another for a robust offering. Covering a broad range of subjects, our training programs present the essential knowledge to achieve swift and smooth information technology utilization at every organizational level.

## Teradata University

Instructor-led classes may be taught at your location, and we can customize your training event by combining selected topics from our standard course offerings for technical and business users. Teradata University is a global online learning platform that offers on demand courses and the ability to register for any public class.

|   |  |  |
|---|--|--|
|    | <b>Teradata Certification and Badging</b>                            | Certifications and digital badges covering the features and functionality of the Advanced SQL Engine for all audiences |
|  | <b>Flexible Delivery Options</b>                                     | Teradata offers a variety of training options—self-paced, classroom, and virtual instructor-led                        |
|  | <b>Expert Assessment of Training Requirements Based on Job Roles</b> | Teradata Education Consultants work with your organization to design a training program based on your specific needs   |
|  | <b>Decreased Ramp-Up Time</b>  | Training enables you to come up to speed on the new technology quickly and efficiently                                 |
|  | <b>The Latest and the Greatest</b>                                   | Training is available on new software versions, features and products  |
|  | <b>Quality You Can Count On</b>                                      | Teradata is the only authorized provider of Teradata training—we offer a 100% satisfaction guarantee                   |



## Contact Us

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### Teradata Certification and Badging

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## Policies

Confirmed students in any public instructor led, virtual instructor led, or live webinar event who cancel or reschedule fourteen (14) or fewer business days prior to the class start date will be charged the full training fee. Student substitutions may be made at any time without penalty.

### Asia Pacific

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### International

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## Learning Paths by Job Roles

|   | Database Administrator | Data Architect/Engineer | ETL/ Application Developer | Business Analyst | Data Scientist | Business User |
|---|------------------------|-------------------------|----------------------------|------------------|----------------|---------------|
| Introduction to the Teradata Database                               | ●                      | ●                       | ●                          |                  |                |               |
| Introduction to Teradata Vantage                                    | ●                      | ●                       | ●                          | ●                | ●              | ●             |
| Teradata SQL  | ●                      | ●                       | ●                          | ●                |                |               |
| Advanced SQL  | ●                      | ●                       | ●                          | ●                |                |               |
| Teradata SQL for Applications Development                           |                        |                         | ●                          |                  |                |               |
| Teradata Parallel Transporter: Vantage Advanced SQL Engine          | ●                      | ●                       | ●                          |                  |                |               |
| Vantage: Advanced SQL Engine Physical Database Design               | ●                      | ●                       | ●                          |                  |                |               |
| Teradata Database Administration: Vantage Advanced SQL Engine       | ●                      |                         |                            |                  |                |               |
| Vantage: Optimizing Advanced SQL Engine through Workload Management | ●                      | ●                       |                            |                  |                |               |
| Exploring the Analytic Functions of Teradata Vantage                |                        | ●                       | ●                          | ●                |                |               |
| Teradata Vantage Analytics Workshop BASIC                           |                        |                         |                            | ●                | ●              |               |
| Teradata Vantage Analytics Workshop ADVANCED                        |                        |                         |                            |                  | ●              |               |
| Big Data Concepts   |                        |                         |                            |                  |                | ●             |
| Teradata SQL for Business Users                                     |                        |                         |                            |                  |                | ●             |
| A Day in the Life of a Data Scientist Using Vantage                 |                        |                         |                            |                  | ●              |               |
| Teradata Vantage for Business Power Users                           |                        |                         |                            |                  |                | ●             |



## Teradata University

### **Expand your Teradata knowledge at your own pace, on your own schedule**

View and access the most recent and popular on-demand and instructor-led classes in one comprehensive site.

#### **On-Demand Courses**

Web-based courses are formal, self-paced training delivered via Teradata University. Many of our popular instructor-led courses are also offered in web-based formats, allowing you to save on travel costs and maximize your time.

Webcasts are structured, one to two hour presentations, available in Teradata University. Over 150 webcasts are available and delivered by Teradata's product managers, subject matter experts, and product evangelists.

#### **Subscriptions**

Teradata University subscriptions provide either unlimited or tailored access to our on-demand courses. Several options are available to meet your ongoing technical and business user training needs. Teradata Education Consultants will work with your organization to determine the right subscription options required to meet your learning objectives. Expand your Teradata knowledge and fully utilize your Teradata systems with a Teradata University subscription.

#### **The Right Partner for You**

Teradata Education looks forward to bringing you the most advanced and exciting online education experience. To learn how to put the next generation of Teradata education to use, contact your Teradata representative or visit [Teradata.com/University/Overview](https://www.teradata.com/University/Overview).

## Subscription Overview

| Unlimited Subscription   |  |
|--|--|
| Access to All On-Demand Training   |  |
| <p>A library of over 250 on-demand, self-paced courses, including hands-on practice.</p> <p>Enjoy over 500 hours of training on subjects from data science principles through database management.</p> <p>Enterprise Unlimited subscriptions include:</p> <ul style="list-style-type: none"> <li>• 24 Teradata Certification Exam Vouchers</li> <li>• 24 Annual Office Hours with our Technical Experts</li> </ul> | <p>Courses available include these and many more:</p> <ul style="list-style-type: none"> <li>• Exploring the Analytic Functions of Teradata Vantage</li> <li>• Teradata Advanced SQL</li> <li>• Teradata SQL for Business Users</li> <li>• Introduction to the Teradata Database</li> <li>• Introduction to Data Modeling</li> </ul> |
| <p>Unlimited Subscriptions are available at the individual or Enterprise level. Tiered pricing is offered for multiple individual subscriptions.</p>   |  |

| Job Role-Based Subscriptions   |   |
|--|---|
| Access to On-Demand Training   |   |
| <p>Tailored to your job role, these subscription options focus on the top courses that help build skills critical to excelling in your role. Each contains the most relevant content to help you unlock the power of data.</p> |   |
| <ul style="list-style-type: none"> <li>• <b>Business Analyst</b></li> <li>• <b>Developer</b></li> </ul>  | <ul style="list-style-type: none"> <li>• <b>Database Administrator</b></li> <li>• <b>Data Engineer</b></li> </ul> |
| <p>Job Role-Based Subscriptions are available for individuals on an annual or multi-year level and each includes a Teradata Certification exam voucher. Tiered pricing is offered for multiple subscriptions.</p>              |   |

| Premier Education Package (complimentary)  |   |
|--|---|
| Access to Introductory On-Demand Training  |   |
| <p>A carefully curated selection of over 50 online introductory courses totaling over 100 hours of content, with additional courses added monthly, all at no charge for customers. Through the Premier Education Package any number of individuals at <i>all</i> Teradata customers have access to on-demand courses at no cost.</p> |   |
| <p>The process to access your Premier Education Package is simple. Sign up at <a href="https://teradata.com/University/Overview">Teradata.com/University/Overview</a>.</p> <p>Share this exciting offer with your colleagues and encourage them to sign up today.</p>  | <p>Your access will allow you to take valuable courses such as Introduction to:</p> <ul style="list-style-type: none"> <li>• Teradata Vantage</li> <li>• Teradata Data Stream Architecture</li> <li>• Time Series Analytics</li> <li>• Big Data Concepts</li> </ul> |

For more information contact us: [Teradata.com/University/Contact](https://teradata.com/University/Contact)





## Course Catalog

Courses marked with a C are recommended to prepare to take one or more certification exams. Courses marked with a P indicate it is part of the Premier Education Package, and is complimentary.

| Course Title <i>(click title to access course)</i>                             | Format                             | Duration |
|--|------------------------------------|----------|
| <b>DBA Core Training</b>   |                                    |          |
| <b>Introduction to the Teradata Database (C)</b>                               | <b>Instructor Led or On Demand</b> | 1 day    |
| <b>Teradata Database Administration: Vantage Advanced SQL Engine (C)</b>       | Instructor Led                     | 3 days   |
| <b>Teradata Vantage Advanced SQL Engine Physical Database Design (C)</b>       | Instructor Led                     | 4 days   |
| <b>Teradata Vantage Advanced SQL Engine Physical Database Tuning (C)</b>       | Instructor Led                     | 4 days   |
| <b>Vantage: Optimizing Advanced SQL Engine through Physical Design</b>         | Instructor Led                     | 4.5 days |
| <b>Vantage: Optimizing Advanced SQL Engine through Workload Management (C)</b> | Instructor Led                     | 3 days   |

| Course Title <i>(click title to access course)</i>  | Format                             | Duration                                   |
|---|------------------------------------|--|
| <b>Vantage</b>  |                                    | <b>Audience: All</b>                       |
| <b>Breaking the Language Barrier: When to Use Python, R and SQL (P)</b>   | On Demand                          | 1.5 hrs                                    |
| <b>Day in the Life of a Data Scientist using Vantage</b>  | Instructor Led                     | 2 days                                     |
| <b>Exploring the Analytic Functions of Teradata Vantage (P)</b>   | On Demand                          | 7 hrs                                      |
| <b>Introduction to Teradata Vantage (P)</b>   | On Demand                          | 1.25 hrs                                   |
| <b>Teradata Vantage Analytics Workshop BASICS</b>   | Instructor Led                     | 2 days                                     |
| <b>Teradata Vantage Analytics Workshop ADVANCED</b><br><i>Also offered as 4 separate virtual Instructor-led classes</i> | Instructor Led                     | 2 days                                     |
| <b>Teradata Vantage for Data Science using New SQL, Python and R</b>  | Instructor Led                     | 1 day                                      |
| <b>Teradata Vantage NewSQL Syntax</b>   | On Demand                          | 1 hr                                       |
| <b>Using R in Teradata Vantage for Text Analytics</b>   | Instructor Led                     | 4 days                                     |
| <b>Vantage for Business Power Users</b>   | Instructor Led                     | 2.5 days                                   |
| <b>Teradata SQL</b>   |                                    | <b>Audience: All</b>                       |
| <b>Teradata SQL (C)</b>   | <b>Instructor Led or On Demand</b> | 4 days                                     |
| <b>Teradata Advanced SQL (C)</b>  | <b>Instructor Led or On Demand</b> | 4 days                                     |
| <b>Teradata SQL for Temporal Tables</b>   | On Demand                          | 4 days                                     |
| <b>Teradata SQL for Business Users</b>  | On Demand                          | 3 days                                     |
| <b>Teradata SQL Extensions</b>  | On Demand                          | 1.5 days                                   |
| <b>Teradata SQL for Applications Development</b>  | On Demand                          | 5 days                                     |
| <b>Teradata SQL for Active Events</b>   | On Demand                          | 4.5 days                                   |
| <b>Cloud</b>  |                                    | <b>Audience: Data Architect / Engineer</b> |
| <b>Deploying and Architecting Teradata Vantage Advanced SQL Engine on AWS</b>   | Instructor Led                     | 2 days                                     |
| <b>Deploying and Architecting Teradata Vantage Advanced SQL Engine on Azure</b>   | Instructor Led                     | 2 days                                     |

| Course Title <i>(click title to access course)</i>                | Format                             | Duration   |
|---|------------------------------------|--|
| <b>Advanced SQL Engine</b>  |                                    | <b>Audience: All</b>   |
| The Teradata Database - Part 1: Database Basics (C) (P)           | On Demand                          | 45 min   |
| The Teradata Database - Part 2: Teradata Fundamentals (C) (P)     | On Demand                          | 1 hr   |
| The Teradata database - Part 3: Usage Fundamentals (P)            | On Demand                          | 45 min   |
| Teradata Factory Express: Vantage Advanced SQL Engine (C)         | Instructor Led                     | 5 days   |
| Introduction to Temporal Tables (P)                               | On Demand                          | 4 hrs  |
| Introduction to ANSI Temporal Tables (C) (P)                      | On Demand                          | 4 hrs  |
| Teradata Data Stream Architecture (DSA) (C) (P)                   | On Demand                          | 3 hrs  |
| Teradata Parallel Transporter: Vantage Advanced SQL Engine (C)    | <b>Instructor Led or On Demand</b> | 2 days   |
| <b>Applications</b>   |                                    | <b>Audience: All</b>   |
| Teradata Application Utilities (C)                                | On Demand                          | 3 days   |
| Customer Interaction Manager (CIM) Essentials (P)                 | Instructor Led                     | 4 days   |
| Customer Interaction Manager (CIM) Essentials: Foundation (P)     | On Demand                          | 6 hrs  |
| Customer Interaction Manager (CIM) Essentials: Analytics (P)      | On Demand                          | 2 hrs  |
| Customer Interaction Manager (CIM) Essentials: Administration (P) | On Demand                          | 3.5 hrs  |
| Teradata AppCenter Foundations (P)                                | On Demand                          | 2 hrs  |
| Working with Existing Apps in Teradata AppCenter                  | Virtual Instructor Led             | 1.5 hrs  |
| <b>Multisystem / Ecosystem</b>                                    |                                    | <b>Audience: Database Administrator, Data Architect / Engineer</b> |
| Teradata Viewpoint (C)  | Instructor Led                     | 2 days   |
| Teradata Unity Ecosystem Manager                                  | On Demand                          | 3 hrs  |
| Teradata Unity Director and Loader (P)                            | On Demand                          | 3 hrs  |
| Creating Data Mover Jobs (P)                                      | On Demand                          | 1 hr   |
| Teradata QueryGrid 2.0 Technical Overview (C, P)                  | On Demand                          | 1.25 hrs   |
| Teradata Multisystem Overview (P)                                 | On Demand                          | 1.5 hrs  |
| Building a Data Fabric with QueryGrid                             | Instructor Led                     | 2.5 days   |
| Ecosystem Manager Fundamentals                                    | On Demand                          | 1 hr   |
| Teradata Multisystem Operational Workshop                         | Instructor Led                     | 4 days   |

| Course Title <i>(click title to access course)</i>  | Format  | Duration |
|---|---|----------|
| <b>Industry Data Modeling</b>   | <b>Audience: Data Modelers, Data Architects, DBAs</b> |          |
| Teradata Data Model Custom Training is composed of a series of modules that may be selected to build a tailored course that fits your exact business requirements and goals. Comprised of three main tracks plus an industry-specific workshop, Teradata data modeling subject matter experts will help you select the appropriate modules. |   |          |
| <b><u>Data Architecture &amp; Modeling Theory – Integration Layer Track</u></b>   |   |          |
| Data Architecture   | Instructor Led  | 2 hrs    |
| Data Modeling Concepts  | Instructor Led  | 2 hrs    |
| Normalization   | Instructor Led  | 1 hr     |
| <b><u>Implementing the Teradata Industry Data Model – Logical Track</u></b>   |   |          |
| Industry Data Model Design Principles, Patterns, and Standards  | Instructor Led  | 2 hrs    |
| Teradata Delivery Approaches  | Instructor Led  | 2 hrs    |
| ERwin Techniques  | Instructor Led  | 4 hrs    |
| Introduction to Access Layer Modeling   | Instructor Led  | 2 hrs    |
| Model Mapping Approaches  | Instructor Led  | 2 hrs    |
| Customizing the Industry Data Model   | Instructor Led  | 2 hrs    |
| <b><u>Implementing the Teradata Industry Data Model – Physical Track</u></b>  |   |          |
| Physical Design and Implementation Concepts   | Instructor Led  | 4 hrs    |
| History, Time Variance, and Temporal  | Instructor Led  | 4 hrs    |
| Alternate Code and Reference Structures   | Instructor Led  | 2 hrs    |
| Generating DDL out of ERWin Using Industry Data Model Accelerators  | Instructor Led  | 2 hrs    |
| <b><u>Vertical Industry Data Model Workshop</u></b>   |   |          |
| Industry Data Model Overview and Deep Dive  | Instructor Led  | 1-3 days |

| Course Title <i>(click title to access course)</i>   | Format         | Duration             |
|--|----------------|----------------------|
| <b>Release Updates</b>   |                | <b>Audience: All</b> |
| <p>Each course provides update training to those with a working knowledge of the previous Teradata version. Courses focus only on features that are new or different from the previous version. Key features includes a brief description, its business value, how it works, how to install or configure it, how to use it, and how to support it.</p> |                |                      |
| <b>Teradata 15.10 Differences</b>  | On Demand      | 1.5 days             |
| <b>Teradata 16.00 Differences (P)</b>  | On Demand      | 6 hrs                |
| <b>Teradata 16.10 Differences (P)</b>  | On Demand      | 5 hrs                |
| <b>Teradata 16.20.xx Differences (P)</b>   | On Demand      | 2 hrs                |
| <b>Additional</b>  |                | <b>Audience: All</b> |
| <b>Scrum for Teradata Agile (P)</b>  | On Demand      | 4 hrs                |
| <b>Introduction to Data Modeling</b>   | On Demand      | 4 hrs                |
| <b>Big Data Concepts (P)</b>   | On Demand      | 3.5 hrs              |
| <b>Introduction to Data Science Process - CRISP-DM (P)</b>   | On Demand      | 30 min               |
| <b>SAS and Teradata Integration Skills</b>   | Instructor-Led | 3 days               |
| <b>Webcasts</b>  |                |                      |
| <p>Webcasts highlighted are presented by subject matter experts, Product Managers, and Teradata technical advocates. Below is a sampling of our most-viewed webcasts. Browse our <b>guest catalog</b> online to find many more.</p>  |                |                      |
| <b>A Structured Method for Tuning Teradata SQL</b>   |                | 1.5 hrs              |
| <b>Explaining the EXPLAIN (P)</b>  |                | 2.5 hrs              |
| <b>Advanced EXPLAIN Tuning</b>   |                | 1.5 hrs              |
| <b>A Few Seconds in the Life of a Teradata Request</b>   |                | 1 hr                 |
| <b>Teradata Database Architecture Overview</b>   |                | 2 hrs                |
| <b>Dealing with Natural Data Skew</b>  |                | 1.5 hrs              |
| <b>How to Design Complex Views</b>   |                | 1.5 hrs              |
| <b>AMP Worker Tasks</b>  |                | 1 hr                 |
| <b>Backup and Restore using Teradata Data Stream Architecture (DSA)</b>  |                | 1 hr                 |
| <b>System Performance Monitoring</b>   |                | 1 hr                 |



## Teradata Certification

A Teradata Certification is a differentiator in today's quickly changing and competitive IT environment. Teradata certifications maximize your competitive advantage, demonstrating your dedication and growth to your career. Teradata certification is available globally to anyone interested in Teradata technology including customers, partners, associates, and students. Over 68,000 Teradata Certifications have been awarded and are recognized by major global organizations as an industry-standard measure of technical competence for IT professionals using Teradata technology.

All Teradata certifications can be taken at a Pearson Vue test center or remotely, at their home or office. **FAQs** and **additional information** on this option are available.

Teradata is proud to announce that ALL who pass an exam and earn a Teradata Certification receive a digital badge. This is another great way to showcase your skills and knowledge!





Preparing for Teradata Certifications is easier than ever! Use these 5 easy steps:

1. Go to the **Vantage Certification track** and then find the exam that you are interested in. Go to that exam page.



2. Scroll down and click on the “Exam Objectives” tab.



Read through the abbreviated exam objectives listed on this page and then download the PDF. This PDF will provide insights into the content of the exam. Review this document to see what you know and what you need to learn more about.

3. Scroll down and click on the “exam prep tab”.



This tab will provide access to FREE exam practice questions! In addition, other learning resources that relate to the content are listed.

4. Click on the “Exam Details” tab



Use this tab to learn how much experience an exam candidate is expected to have.

5. Determine your learning needs and your exam approach based on this information then register at <https://home.pearsonvue.com/teradata>.

# Recommended courses

| Course  | Certification |               |                        |           |                    |                  |
|---|---------------|---------------|------------------------|-----------|--------------------|------------------|
|   | Associate     | Administrator | Advanced Administrator | Developer | Advanced Developer | System Architect |
| Part 1: Database Basics   | ●             |               |                        |           |                    |                  |
| Part 2: Teradata Fundamentals   | ●             |               |                        |           |                    |                  |
| Introduction to Teradata Vantage  | ●             |               |                        |           |                    |                  |
| Introduction to the Teradata Database Instructor Led or On Demand         |               | ●             | ●                      | ●         | ●                  |                  |
| Teradata Vantage Advanced SQL Engine Physical Database Design             |               | ●             | ●                      | ●         | ●                  | ●                |
| Teradata Vantage Advanced SQL Engine Physical Database Tuning             |               | ●             | ●                      | ●         | ●                  | ●                |
| Teradata Database Administration: Vantage Advanced SQL Engine             |               | ●             | ●                      | ●         | ●                  | ●                |
| Vantage: Optimizing Advanced SQL Engine through Workload Management       |               | ●             | ●                      |           | ●                  | ●                |
| Teradata Factory: Vantage Advanced SQL Engine                             |               |               | ●                      | ●         | ●                  | ●                |
| Teradata Parallel Transporter: Vantage Advanced SQL Engine                |               | ●             | ●                      | ●         | ●                  | ●                |
| Teradata Data Stream Architecture (DSA)                                   |               | ●             | ●                      |           | ●                  |                  |
| Teradata Query Grid 2.0 Technical Overview                                |               | ●             | ●                      |           | ●                  |                  |
| Introduction to ANSI Temporal Tables                                      |               | ●             | ●                      |           | ●                  |                  |
| Teradata Viewpoint and Data Lab Introduction and Update (16.00 and 16.10) |               |               | ●                      |           | ●                  |                  |



|   | Associate | Administrator | Advanced Administrator | Developer | Advanced Developer | System Architect |
|---|-----------|---------------|------------------------|-----------|--------------------|------------------|
| Teradata SQL Instructor Led or On Demand          |           |               |                        | ●         | ●                  |                  |
| Teradata Advanced SQL Instructor Led or On Demand |           |               |                        | ●         | ●                  |                  |
| Teradata Application Utilities                    |           |               |                        | ●         | ●                  |                  |
| Teradata Viewpoint                                |           |               |                        |           | ●                  |                  |
| Teradata Database 16.20 documentation             |           |               |                        |           |                    | ●                |
| Teradata Tools and Utilities 16.20 documentation  |           |               |                        |           |                    | ●                |

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