Kinetica University’s mission is to arm you with the training, knowledge, and skill sets you need to launch and operate a Kinetica environment, so that your business can thrive in the Extreme Data Economy. We aim to deliver training solutions for real-world challenges using the Kinetica insight engine. Our hands-on workshops exist to make sure our trainees can successfully process and visualize data to make better, faster decisions using interactive analysis. Whether you’re an engineer working to design, develop, deploy, or maintain a Kinetica solution, or a business analyst impacted by accelerated parallel computing, machine learning, AI, or GPU databases, we are committed to teaching the skills you need to be successful with our product. When extreme data demands unprecedented agility, Kinetica powers business in motion.

Course Overviews
Whether you’re working to design, develop, deploy, or maintain a Kinetica solution, we’ve got a course for you.

System Administrator Course
This course is designed to provide partner and customer administrators with the tools they need to manage, maintain, and scale a Kinetica cluster. Hands-on workshops make sure trainees can successfully install, configure, operate, and maintain a Kinetica-enabled environment.

Duration: 2 days  
Format: Instructor-led Classroom  
Pre-Requisites: This course is designed for systems administrators and IT managers who have basic Linux experience. Prior knowledge of GPU programming and/or Kinetica DB isn’t necessary.

Developer Course
This course delivers the information and skills developers need to build solutions for real-world challenges using the Kinetica insight engine. Hands-on workshops teach trainees to successfully ingest, transform, and visualize data to make better, faster decisions through interactive analysis.

Duration: 2 days  
Format: Instructor-led Classroom  
Pre-Requisites: Completion of System Administrator Course. Successful installation of Kinetica.
System Administrator Course
Learn to install, configure, operate, and maintain a Kinetica-enabled environment

This course is designed to provide partner and customer administrators with the tools they need to manage, maintain, and scale a Kinetica cluster. Hands-on workshops make sure trainees can successfully install, configure, operate, and maintain a Kinetica-enabled environment.

Kinetica University’s administrator training course gives participants a comprehensive understanding of how to operate and maintain a Kinetica cluster. From installation and configuration through schema optimization and performance tuning, Kinetica’s training course is the best way to prepare for the real-world challenges facing Kinetica DB administrators.

In this class, you’ll learn:
• Key concepts before installing and configuring Kinetica
• How to optimize inputs/outputs in Kinetica
• The architecture and folder structure of Kinetica
• How to install, configure, operate, and maintain a Kinetica cluster
• How to secure a Kinetica environment
• Understand how to apply authentication & authorization
• How to turn on different levels of logging and debugging
• Maintaining high availability

Developer Course
Learn to ingest, transform, and visualize data to make better, faster decisions through interactive analysis

This course delivers the information and skills developers need to build solutions for real-world challenges using the Kinetica insight engine. Hands-on workshops teach trainees to successfully ingest, transform, and visualize data, in order to make better, faster decisions through interactive analysis.

Kinetica University’s developer training course gives participants a comprehensive understanding of the key concepts, along with labs to develop applications with Kinetica.

In this class, you’ll learn:
• Understand Kinetica database concepts
• Understand APIs and supported connectors that can be used to ingest data into Kinetica
• How to ingest data into Kinetica using Kinetica Import Tool
• Understand how to retrieve data previously ingested into Kinetica
• Using SQL workflow, create schema objects in Kinetica (e.g. tables and indexes) that optimize query performance, troubleshoot related performance issues and tune Kinetica queries and schema
• Understand the fundamentals of the Kinetica connectors and third party applications
• Understand the concepts and features in Kinetica’s geospatial capabilities
• Understand geospatial data types
• Understand how to analyze data with geospatial functions
• Understand key concepts of Reveal
• Add databases and tables in Reveal
• Create meaningful visualizations and explore data coming from the data sources
• Build dashboards that provide a story to the data being analyzed
• Use all the tools learned in a practice workshop
• Understand principles behind UDFs
• Execute UDFs using the API or the GADMIN
• Understand the types of UDFs and when to use them