



MULTIPLE TRAINING

Data Science & Machine Learning Pathway

Master data science and machine learning. Build AI models, analyze data, and drive insights for real-world impact.

DURATION

52 Hours

LEVEL

Beginner to Advanced

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Progress from foundational data analytics using Excel and SQL to advanced predictive modeling and machine learning operations.

Duration	52 Hours
Level	Beginner to Advanced
Vendor	Multiple

WHO IS THIS FOR?

- Aspiring Data Scientists & Machine Learning Engineers
- Data Analysts & Business Intelligence Professionals looking to upgrade to predictive analytics
- Software Developers wanting to transition into AI-focused roles
- Decision Makers and IT managers leading data teams

COURSE CURRICULUM

01 Foundation Data Analytics with Excel (10 Hours)

- Data set preparation: Importing, shaping, and filtering
- Statistical analysis and key concepts in business
- Data set summarisation with Pivot tables and Pivot charts
- Data visualisation techniques, dashboards, and reporting

02 Querying and modifying data with Microsoft SQL (12 Hours)

- Introduction to Transact-SQL (T-SQL)
- Sorting, filtering, and combining tables with JOINS
- Writing subqueries, using built-in functions, and GROUP BY
- Modifying data with T-SQL in Microsoft SQL Server and Azure

03 Data Science Practitioner - Data Processing (Part 1)

- Initiating Data Science projects and formulating problems
- Extracting, Transforming, and Loading (ETL) Data
- Exploring underlying data distribution and visualizing trends
- Preprocessing Data and designing Machine Learning approaches

04 Data Science Practitioner - Modeling (Part 2 & 3)

- Developing, training, and tuning Classification Models
- Developing and evaluating Regression and Clustering Models
- Demonstrating Models in Web Apps
- Implementing, testing, and monitoring production pipelines

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for this pathway?

We recommend foundational IT skills such as ICDL and ICDL Coding, as well as an aptitude for logical problem solving.

Q: Which certifications does this pathway prepare me for?

This learning path prepares you for Foundation Data Analytics, Coding Principles, Microsoft DP-0800, and CDSP exams.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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READY TO ENROL?

Take the next step in your technology career.

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