

CompTIA DataSys+ Training Course

CompTIA DataSys+ is a certification that confirms the essential skills needed to manage, analyze, and protect data across various platforms, preparing candidates for a robust data-focused IT career.



Course Outcomes

Professional, practical, & hands-on live instructor-led training

Start as a beginner and graduate as a certified professional, with the skills, experience, and jobsearch know how to get your career started.



Potential Career Tracks

Data Analyst Data Visualization Specialist

Data Systems Administrator IT Data Specialist

Data Governance Manager Business Analyst



Introduction to CompTIA DataSys+

Course Overview

The CompTIA DataSys+Training Course at Intellectual Point equips learners with the essential skills and knowledge necessary to excel in the rapidly evolving world of data management and analytics. This comprehensive course prepares you for the CompTIA DataSys+ certification exam, focusing on the practical application of data processing, visualization, and governance in various business contexts. You'll dive into real-world scenarios where you can manage and analyze vast data sets, ensuring you can effectively glean insights that drive strategic decisions. Whether you're new to data systems or seeking to enhance your current skill set, this course provides the foundational knowledge you need to thrive.

Throughout the training, you will explore data collection and integration processes, data lifecycle management, and fundamental data analytics techniques. The course features practical labs and exercises that empower you to apply data modeling, data visualization, and reporting skills using industry-standard tools and software. By the end of the program, you will be prepared to tackle the certification exam and apply data insights to optimize business operations.

Obtainable Skills

Data Analysis Techniques Data Integration and Management Data Lifecycle Management

Data Modeling Data Visualization and Reporting Data Governance and Compliance

Data Processing Use of Analytical Tools and Software Certification Exam Preparation

Course Insights

(2) Audience Profile

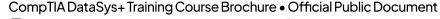
This CompTIA DataSys+ course targets IT professionals, data analysts, and business analysts who have a basic understanding of IT systems and are looking to specialize in data management and analytics. It is ideal for those who aspire to become data-driven decision-makers within their organizations, enhancing their ability to interpret complex data sets. The course is also suitable for professionals who wish to formalize their expertise with a recognized certification, such as recent graduates from IT degree programs and those engaged in IT roles seeking career advancement into data-centric positions.

Course Outcomes

By the end of this course, participants will:

- 1 Master data collection methods and effectively integrate multiple data sources.
- 2 Develop competencies in data management and lifecycle practices for strategic insights.
- Build proficiency in creating compelling data visualizations and analytical reports.
- 4 Understand and apply data governance protocols ensuring data security and compliance.
- 5 Achieve a comprehensive understanding of data systems to pass the CompTIA DataSys+.





Module by Module Learning Outline



Module 1: Introduction to Data Management and Analytics

Learning Objectives:

- Understand the foundational concepts of data management and analytics.
- Learn about the role of data in strategic decisionmaking.

Topics Covered

Data Management Fundamentals:

- Key components of data management systems.
- The importance of data quality and integrity.

Analytics Overview:

- Types of data analytics: descriptive, predictive, and prescriptive.
- The impact of analytics on business performance.

Module 3: Data Lifecycle Management

Learning Objectives:

- Understand the data lifecycle and its stages.
- Implement effective data lifecycle management practices.

Topics Covered

The Data Lifecycle:

- Stages of the data lifecycle: creation, storage, usage, and disposal.
- Importance of each stage in effective data management

Data Lifecycle Management Practices:

- Strategies for optimizing each stage of the data lifecycle.
- Tools for managing data lifecycles effectively.

☐ Module 5: Data Governance and Compliance

Learning Objectives:

- Understand data governance protocols and compliance requirements.
- Implement strategies to ensure data security and regulatory compliance.

Topics Covered

Data Governance Frameworks:

- Components and benefits of data governance.
- Establishing roles and responsibilities for data management.

Compliance and Regulation:

- Overview of major data protection laws and standards
- Implementing compliance strategies in data management practices.

Module 2: Data Collection and Integration

Learning Objectives:

- $\bullet \ \ Master data \, collection \, methods \, and \, techniques \, for \, integrating \, multiple \, data \, sources.$
- Explore tools and techniques for data integration

■ Topics Covered

Data Collection Techniques

- Methods for collecting data from various sources.
- Challenges and solutions in data collection.

Data Integration Tools and Techniques:

- Overview of ETL processes.
- Tools for data integration and transformation.

Module 4: Data Modeling and Visualization

Learning Objectives:

- Develop skills in data modeling to structure data for analysis.
- Create compelling data visualizations to communicate insights.

Topics Covered

Data Modeling Techniques:

- Creating logical and physical data models.
- Utilizing industrystandard data modeling tools.

Data Visualization

- Principles of effective data visualization design.
- Tools and techniques for creating visual data representations.

Module 6: Preparation for CompTIA DataSys+ Certification Exam

Learning Objectives:

- $\bullet \ \ Gainfamiliarity\,with\,the\,CompTIA\,DataSys+certification\,exam\,structure\,and\,content.$
- Review key concepts and practice examtechniques.

■ Topics Covered

Exam Content Overview:

- Breakdown of exam objectives and key topics.
- Tips for effective study and exampreparation.

Practice Exam Questions and Strategies:

- Sample questions and analysis of question types.
- Time management and test-taking strategies.

