

ADaSci Certified Data Engineer

Master Data Engineering with Practical Tools, Cloud
Technologies, and Achieve Global Recognition of Skills



Program Overview

The ADaSci Certified Data Engineer program is a 30-hour self-paced online certification that delivers end-to-end training in designing scalable data pipelines, managing cloud infrastructure, and ensuring data governance. It blends theoretical foundations with hands-on learning using industry-relevant tools and platforms.

Program Structure:

- **Mode:** 100% Online
- **Duration:** 30 Hours
- **Format:** Self-paced learning
- **Modules:** 5 Thematic Modules
- **Assessment:** Final Certification Exam
- **Credential:** ADaSci Certified Data Engineer Certificate



Course Format

1. Delivery Mode: 100% Online Self-Paced

2. Total Duration: 30 Hours

3. Learning Methods

a. Expert-Curated Video Lectures

b. Comprehensive Reading Materials

c. Real-World Industry Case Studies

d. Hands-On AI Exercises and Data
Engineering Labs

This blended format ensures conceptual clarity and practical competence in core and advanced areas of data engineering.

Course Curriculum

- **Module 1:** Foundations of Data Engineering
- **Module 2:** Scalable Data Storage and Modeling Techniques
- **Module 3:** Data Ingestion and Processing
- **Module 4:** Cloud Data Engineering
- **Module 5:** Data Quality, Lineage, and Governance

Check out the comprehensive course curriculum for more information



Certification Exam

A comprehensive, time-bound assessment designed to evaluate technical understanding, practical knowledge, and decision-making skills in real-world data engineering scenarios.

Exam Highlights

- **Format:** Multiple Choice Questions (MCQs)
- **Total Questions:** 60
- **Duration:** 60 Minutes
- **Passing Criteria:** Percentile-Based
- Covers All Five Modules
- Tests Both Conceptual and Applied Understanding
- Certification Awarded Upon Successful Completion

Eligibility & Target Audience

This program is ideal for individuals aiming to advance or pivot into data engineering roles:

- Aspiring Data Engineers
- AI and Data Science Professionals
- ETL/ELT Developers and Database Engineers
- Business Intelligence Developers and Analysts
- Software Engineers Entering Data-Centric Roles
- Technical Leads and Architects Overseeing Data Platforms

Why Join?

It offers industry-aligned, tool-centric training with a focus on production-grade systems, preparing learners for real-world engineering challenges.



Policies & Guidelines

- **Enrollment & Course Access:** Enrollment is open year-round, and participants will have access to course content until they take the certification exam.
- **Completion Requirements:** All five modules must be completed before attempting the certification exam.
- **Exam Retake Policy:** Participants who fail the exam may retake it. Re-enrollment by paying the fee is required.
- **Refund Policy:** No refund is provided after registering for the program.
- **Certification Validity & Renewal:** The certification has lifetime validity and does not require renewal.

Pre-Requisites

While the course is beginner-friendly, the following background will be helpful:

- Familiarity with Python programming language
- Basic knowledge of SQL and databases
- Understanding of data formats like CSV, JSON
- Exposure to cloud services is an added advantage but not mandatory

The course builds progressively, with foundational concepts introduced before advanced tools and systems.



Required Tools and Software

- Python (latest version, with packages like Pandas, PySpark)
- SQL-based database (e.g., PostgreSQL or MySQL)
- MongoDB (for NoSQL practice)
- Apache Spark (local or Databricks Community Edition)
- Apache Airflow (optional for orchestration exercises)
- Google Cloud Platform or AWS (Free Tier recommended for cloud-based modules)
- Kafka (for introductory real-time streaming exercises)
- Jupyter Notebooks / Visual Studio Code (preferred IDEs)

Contact Us

Reach out to us for any queries.

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