COURSE BROCHURE

Data Engineering Foundations: Pipelines, Warehouses and Data Quality

Diploma, Vocational & Skills / Data Engineering & Analytics Engineering

One-time full-course fee

INR 1,499

Access

12 months course access

Study plan

16 suggested study hours; 12 months access

Learning format

4 self-paced written English lessons with original worked examples, local exercises, explained knowledge checks and a self-assessed capstone. Optional automated Course Tutor assistance is available in the protected LMS.

Programme overview

Four self-paced written lessons teach what data engineers do, how data moves from sources to analytics, batch and streaming ideas, ETL and ELT, dimensional modelling for warehouses, SQL transformations, orchestration, data quality testing, privacy and cost awareness, ending with a fictional sales-pipeline design capstone. This is an independent ZELVU short course with no cloud or tool vendor affiliation, certification or exam voucher. 4 self-paced written English lessons with original worked examples, local exercises, explained knowledge checks and a self-assessed capstone. Optional automated Course Tutor assistance is available in the protected LMS. AI-authored with independent AI editorial checks; independent human academic review is not included. An independent ZELVU short course covering the stated scope. Live human tuition, individual human marking, recorded video lectures, external qualifications or academic credits, vendor affiliation or certification, examination vouchers and placement guarantees are not included. Use your own compatible computer and any software, accounts or services named in the requirements; licences, subscriptions, cloud usage and advertising spend are not supplied. Interfaces, laws and platform policies change, so follow the current official documentation linked in each lesson. Related ZELVU courses on SQL, ETL data-quality testing, data science and cloud platforms cover neighbouring skills; this course connects them into an

end-to-end pipeline view. Tools and managed services change quickly, so check current official documentation before adopting any product.

Who this is for

1. Working knowledge of SQL SELECT queries with joins and grouping, and basic Python or another scripting language, are expected. A computer that can run a local database such as PostgreSQL or DuckDB is needed for practice.
2. Use the supplied fictional examples or your own non-sensitive practice material. Practise only on systems and accounts you own or are authorised to use. Do not enter private student, employer or customer information into the Course Tutor.

Published topics and learning focus

1. Pipelines, sources and ingestion
2. Warehouse modelling and SQL transformations
3. Orchestration, data quality and governance
4. Capstone: design and build a small sales pipeline

Before you choose

1. These are published programme highlights, not certification of complete syllabus coverage. Review the available reading index and programme trial before enrolling.
2. ZELVU provides learning support. It does not award the underlying degree, professional registration or an examination result.
3. Current checkout terms and refund policy apply. Payment and access require successful provider verification.

Take the next step

Explore the programme trial

View current details, scope and terms

Ask ZELVU about this programme

Save this brochure for reference. Details can change: confirm the current programme page and checkout before making a purchase.