



SQL Foundations Course

Query any database with confidence — and get the answers you need.

Certificate Course | A25

Duration: 24 hours

Level: Beginner



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WHAT YOU'LL LEARN

- Write SQL queries from simple SELECTs to complex multi-table JOINS
- Use aggregations, GROUP BY, HAVING, and CASE statements fluently
- Build CTEs and subqueries for readable, reusable analysis
- Apply window functions for advanced analytical calculations
- Query real business databases to answer real questions
- Optimise queries for performance on large datasets



COURSE CONTENT

Module 1 — SQL Foundations

- Writing your first queries: SELECT, FROM, WHERE
- Sorting and limiting results: ORDER BY, LIMIT, DISTINCT

Module 2 — Joining & Combining Data

- INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL OUTER JOIN
- Working with multiple tables in one query

Module 3 — Aggregation & Grouping

- GROUP BY and aggregate functions: COUNT, SUM, AVG, MIN, MAX
- NULL handling and COALESCE



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AFTER THIS COURSE

You'll be able to query any relational database independently — a skill that immediately adds value in analyst, product, marketing, and engineering roles.

OFFICIAL CERTIFICATE

This course leads to an official ADA certificate at NLQF level 6, the nationally recognised qualification framework equivalent to a bachelor's degree. Your certificate proves a verified, professional level of knowledge and skills — valued by employers across the Netherlands.

Ready for your next step?

Book a free study-advice call

amsterdamdataacademy.com/study-advice

+31 85 004 9642