SQL 2016 Database
Development

Materials & teaching in English

Learn to work with data queries, Transact-SQL, and development of Microsoft SQL databases

With this e-learning course, you will gain both knowledge and experience in programming and developing MS SQL 2016 databases. You will be able to configure, manage and debug database objects, as well as implement these in SQL Server 2016. In addition, you will learn how to implement query data using SQL Server 2016 T-SQL. We also review query, subqueries, and built-in functions.

On the e-learning course, you will gain competencies in infrastructure, development and database servers. You will be taught database objects, Transact-SQL, database concurrency, SELECT statement, programmability objects and XML data.

During the 6 weeks, you will also learn how to handle data manipulation using triggers, as well as how to ensure data integrity and to transform data by, among other things, implementing pivot.

The syllabus corresponds to the content of the certifications:
• 70-761 (Querying Data with Transact-SQL)
• 70-762 (Developing SQL Databases)

Please note that Microsoft has closed the above certifications and therefore it is no longer possible to obtain certification within these.

You will learn

SQL Fundamentals

• Introduction to SQL 2016
• Understand database concepts
• Manage queries and tables
• Grouping, aggregating & arithmetic in SQL

SQL Database Design

• Design multi-table architectures
• Understand transaction logs
• Structure efficient database schemas
• Apply best practices in architecture

Transact-SQL Essentials

• Explore Transact-SQL basics
• Work with subqueries and predicates
• Filter and modify data in SQL Server
• Use operators, expressions & aggregates

SQL Development (70-762)

• Use indexes, views & programmability
• Implement In-Memory tables
• Optimize objects & infrastructure
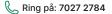• Query XML and spatial data

Querying with T-SQL (70-761)

• T-SQL querying and data manipulation
• Use database programmability objects
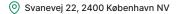• Handle non-relational data in SQL
• Manage and modify query results

Advanced SQL Techniques

• Create triggers, functions & transactions
• Tune performance and database instances
• Work with complex data types
• Develop robust SQL Server databases

The course is for you if you...

✓ Have experience in using PC and Windows

✓ Have basic understanding of servers, databases and Transact-SQL

✓ Are motivated and have ambitions to work with MS SQL 2016 database

✓ Have experience with relational databases, Windows operating system, as well as knowledge of database design

Course structure

The e-learning course is divided into in-depth sessions with associated Labs and MeasureUp tests, so you gain a lot of knowledge and at the same time you can test your readiness. As a supplement to the e-learning course, you also get access to a whole library of e-book

Certification

Microsoft has closed the certifications associated with the course, so it is no longer possible to obtain certification within these.

Careercoach

You also can spar with Itucation's career coach regarding CV, application and job strategy. If you wish to take advantage of this offer, please send an email to **kurser@itucation.dk**

Upcoming courses

- Start every monday!

Information & Pris

Location	E-learning, Selfstudy
Classes	5 days a week
Duration	6 weeks
Price for applicants	**Free for unemployed***

*Free, if you fulfil the criteria for 6-week job-oriented training programs via the Jobcenter

Price for jobcenter:	Kr. 19.600 (ex. moms)
Sign-up	**www.itucation.dk**
	Or contact us on 7027 2784

Information til a-kasser og jobcentre

Regional positivliste

E-learningskurset er godkendt.

Se vores hjemmeside for listetitel og

listenumre.

Pris

Kr. 19.600 (ex. moms)
Ugepris: kr. 3.266,66 (ex. moms)

Betalingstilsagn sendes til

Itucation
Svanevej 22, 2400 København NV
kurser@itucation.dk (sikker mail)
CVR-nr.: 33248016
P-nr.: 1016378247