



Name of the course (Spanish):

Academia de Aprendizaje CCS para análisis e ingeniería de datos

Name of the course (English):

CCS Learning Academy for Data Engineering and Analytics

Description of the course (Spanish):

El programa CCS Learning Academy proporciona un programa de campo de entrenamiento que dura alrededor de 6 meses y se enfoca en tecnologías de inteligencia comercial e ingeniería de datos utilizando la plataforma de Microsoft, obtendrá exposición en todo el dominio de inteligencia comercial y obtendrá las habilidades necesarias para construir arquitectura OLTP y OLAP, diseñando informes atractivos. y tableros para analizar datos históricos. Aparte de esto, la capacitación en MS Azure y Snowflake le brindará la confianza suficiente para crear una arquitectura de computación en la nube para implementar operaciones de Business Intelligence en la nube.

Nuestros alumnos disfrutan de una de las mejores experiencias de aprendizaje posibles porque no somos simplemente una empresa de formación. Somos una empresa de software de ciclo completo con nuestros propios productos, servicios y clientes de Fortune 500. Nuestra red muy unida de consultores profesionales está trabajando en proyectos en la vanguardia de la industria tecnológica (¡exactamente donde estarás si te unes a nuestro programa!) y recibimos información de esta red todos los días. Eso significa que conocemos todas las últimas tendencias, todas las necesidades más importantes y todos los requisitos más importantes para nuestros clientes.

Description of the course (English):

CCS Learning Academy program provides bootcamp program that lasts around near 6 months with focus on technologies in Business Intelligence & Data Engineering using Microsoft Platform, you will get exposure in entire Business Intelligence domain and get necessary skills to build OLTP and OLAP architecture, designing attractive reports and dashboards for analyzing historical data. Apart from this, the training on MS Azure and Snowflake will give you enough confidence to build cloud computing architecture to implement Business Intelligence operations in the cloud.

Our trainees enjoy one of the best learning experiences possible because we are not merely a training company. We are a full-cycle software company with our own products, services, and Fortune 500 clients. Our close-knit network of professional consultants is working on projects at the front lines of the tech industry (exactly where you'll be, if you join our program!) and we receive insights from this network every single day. That means we know all the latest trends, all the biggest needs, and all the most important requirements for our clients.

URL of Course: [IT Training Courses, Certifications Online | CCS Learning Academy](#)

Cost: 3995 USD

Mode: Virtual

Duration: 6 Months

Name: DATA ENGINEERING AND ANALYTICS BOOTCAMP

Course Contents:	
DATABASE DESIGN AND MODELING	This module focuses on various aspects of database designing concepts right from entities, keys, constraints, etc. to creating physical instance of databases. The focus of Data Modeling is to understand different stages of database designs patterns along with ways to gather business requirements.
DATABASE PROGRAMMING WITH SQL SERVER	This module exposes the candidates to the very details of TSQL programming along with working on database objects such as tables, views, stored procedures, user defined functions, triggers, and indexes. Module also covers performance implications of multitude

	of SQL structures such as joins, sub-queries, set operators, CTEs to be incorporated for implementing business requirements.
DATA WAREHOUSE DESIGN TECHNIQUES	Data Warehousing module provides detailed insight on the designing and developing data structures to store historical data for analytical purposes. This module further explains more about the internals and architecture of Data Warehouses and Data Marts following Kimball or Inmon Methodologies.
SQL SERVER INTEGRATION SERVICE (SSIS)	This talks about SSIS as an ETL tool to practically connect to different data sources, perform various data operations and load data into dimensional structure. Candidates will also be exposed to various concepts of ETL which includes Data Profiling, Data Cleansing, Data Validations, error handling etc.
SQL SERVER ANALYSIS SERVICE (SSAS)	In this module candidates will learn purpose and application of creating multi-dimensional cube and tabular models for further data analysis. Furthermore, this module also focuses on writing MDX and DAX queries for analytical purposes.
SQL SERVER REPORTING SERVICE (SSRS)	This module is mainly used as presentation layer for creating different types of visual reports for making business decisions. Candidates will be learning different types of reporting constructs, publishing, maintaining reports on Report Server.
POWER BI	This module is primarily focused on creating data visualizations, data cleansing, DAX for calculations etc. In this module candidates will also learn different ways of publishing, embedding, maintaining reports & dashboards within Power BI services and Power BI report server.
DATA VISUALIZATION USING TABLEAU	This module offers different ways of developing business interactive dashboards utilizing Tableau Desktop. Candidates will be exposed to various features of Tableau related to data preparation, data blending, calculations utilizing LOD expressions, and publishing to enterprise portal.
AZURE	This focuses on key concepts of cloud computing architecture using Microsoft Azure which helps on building database and data warehouse on cloud and also implementing data migration from on premise system to cloud.
SNOWFLAKE	This focuses on the key concepts and architecture of Snowflake. Candidates will learn how to provision a Virtual Data warehouse, migrating data to Snowflake

	warehouse using SnowSQL & Snowpipe, querying Snowflake warehouses, time-travel, Zero-copy cloning, etc.
PYTHON	This offers overview of Python basics, data structures in Python, various programming constructs and commonly used libraries. This will also include various methods of extracting data, cleansing, and basic data visualizations per business requirements.