

DATA ANALYTICS - ASSOCIATE IN SCIENCE

Plan Code: 2250

This program provides candidates with foundational skills in using industry-standard tools and methods to acquire data from a wide range of public and private data sources, filter subsets of that data, organize data into relevant information, and present the results in commonly understood industry standards. It prepares students for employment in positions including, but not limited to, Business Intelligence Analysts and Management Analysts.

Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Apply data analytics principles and skills to solve problems in real-world contexts.
- Develop skills to perform data manipulation, data analysis, data visualization and data reporting.
- Diagram appropriate solutions and decisions based on available static or dynamic data.

Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
REQUIRED COURSES		
COSA 15	Microsoft Excel for Windows	3
COSA 25	Microsoft Access for Windows	3
COSA 251	Data Analytics with Power BI	3
COSA 252	Data Analytics with Tableau	3
COSP 38	Database Concepts	4
COSP 237	Database Programming with SQL	4
Required Subtotal		20
Complete one of the following: ¹		
LBCC General Education (Plan A) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/)		
CSU GE Breadth (Plan B) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/)		
IGETC Pattern (Plan C) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/)		
Electives (as needed to reach 60 degree-applicable units) ²		
Minimum Degree Total		60

¹ Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

² Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.