

DATA ANALYTICS CERTIFICATE

Division: Business and Computer Information Systems

PROGRAM CODE: 1C40508

Financial Aid Eligible

The **Data Analytics Certificate** helps prepare students for employment or further study in the Data Analytics field. Data Analytics is the identification, analyses and interpretation of volumes of data that are collected from a wide variety of sources. Students will learn to identify patterns and relationships in large data sets, to resolve business questions and make data-driven decisions. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 18 units.

Code	Title	Units
Required Courses are Listed in Suggested Sequence (18 units):		
MATH 120 C	Intro Probability Statistics	4
CIS 132 C	Spreadsheet-Excel for Windows	4
CIS 247 C	Python Programming	3
CIS 170 C	Introduction to Data Analytics	3
CIS 172 C	Data Visualization	3
COUN 139 C	Career Exploration	1
Total Units		18

Program Student Learning Outcomes:

OUTCOME 1: There is a shortage of computer information systems professionals in the United States. Participating in this program teaches a student practical skill that can lead to a career as an Information Systems professional in industries such as management of companies and enterprises, insurance carriers, technical and management consulting services, computer systems design and related services, and depository credit intermediation. Careers include Business Analytics Specialist, Business Intelligence (BI) Engineer, Data Analyst, Data Visualization Developer, Operations Research Analyst, and Market Research Analyst.

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