DATA ANALYTICS, ASSOCIATE OF SCIENCE DEGREE

Banner Code: 3_AS_DATA
Control Number: 39435
Financial Aid Eligible

This degree program provides students with a solid foundation in the fields of data science, business intelligence, and analytics. The program is designed to prepare students for entry-level jobs or to help them advance into careers, such as Business Analytics Specialist, Data Analyst, Data Visualization Developer, Operations Research Analyst, and Market Research Analyst. Topics covered include data analysis, data mining, statistical modeling, SQL queries and data views, systems analysis and design, data visualization and reporting, and applied predictive analytics.

Program Level Student Learning Outcomes

Upon completion of this program, students will be able to:

1. Apply the methods, techniques, and tools relevant to data analytics.
2. Solve organizational problems by applying the methods, techniques, and tools relevant to systems analysis and design.
3. Demonstrate predictive analytics techniques to provide recommendations for common business scenarios.

Review Graduation Requirements (https://catalog.cccd.edu/coastline/graduation-requirements/associate-degree/) and General Education (https://catalog.cccd.edu/coastline/general-education/).

Course	Title	Units
Required Core		
Complete the following:		
CIS C111	Information Systems, Programming, and Database Management	3
CIS C157	Introduction to Python Programming	3
CIS C240	SQL Database Development	3
CIS C250	Introduction to Data Analytics	3
CIS C260	Systems Analysis and Design	3
CIS C280	Data Visualization	3
CIS C285	Data Governance, Privacy, and Policies	3
Program Electives		
Select two (2) courses from the following:		6
CIS C190	Introduction to Geographic Information Systems and Techniques with Lab	
CIS C191	Intermediate Geographic Information Systems (GIS)	
CIS C270	Predictive Analytics	
CIS C275	Data Mining and Analytics (Data+)	
Major Units		*27*
Local General Education, CSU General education, or IGETC pattern		varies
Electives to Satisfy Unit Requirement		varies
Total Units for Degree		**60**