

DATA ANALYTICS, A.A.S.

Prepares students for effective business intelligence, analytics, and data presentation by focusing on business acumen, ethics, data management, and communication. It is designed to connect students to data analysis applications by adapting the appropriate technology and software solutions. Students will choose appropriate data models or data science techniques to solve problems in various disciplines, using large and varied datasets to produce accurate and timely insights.

For more information about Computer and Information Science, please visit the program page (<http://www.cod.edu/cis>).

Certificate Requirements

Field of Study Code: CIS.AAS.DATA

Code	Title	Credits
Program Requirements		
CIS 1170	World of Data Science	1
CIS 1221	Data Analysis with Spreadsheets	3
CIS 1222	Business Intelligence Analysis and Visualization	3
CIS 1230	Database Application	3
CIS 1400	Programming Logic and Technique	4
CIS 1655	AI Technical Essentials	3
CIS 2531	Introduction to Python Programming	4
CIS 2640	Introduction to Machine Learning (ML)	4
CIS 2644		4
CIS 2710	Database Management	4
CIS 2720	Structured Query Language (SQL)	4
CIS 2735	Data Analytics and Visualization	4
MATH 1635	Statistics	4
or MATH 1533	Finite Mathematics	
General Education Requirements		15
Total Credits		60