DATA ANALYTICS, ASSOCIATE IN APPLIED SCIENCE

COMPUTER AND INFORMATION TECHNOLOGY

Associate in Applied Science: AAS 3212
62-70 Credits
Program Contact
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Program Description

The Associate in Applied Science (AAS) in Data Analytics is designed to prepare students to apply principles and concepts in data analytics and model, synthesize, analyze, and present large data sets for business decision making. Courses will focus on the software development techniques and computer applications used in industry to extract data from various data sources, model and integrate that data, and then visualize this data for business decision making and intelligence gathering. This program prepares students for industry recognized certifications such as the Microsoft Power BI Data Analyst, Tableau Certified Analyst, and Microsoft Office Specialist for Excel and Access. Graduates may pursue employment in a variety of information technology environments.

Program Notes

Students must earn a grade of C or better in each course in the program. Overall program minimum GPA = 2.00.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

Students who have completed GBS221 can use this course in lieu of GBS220.

Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
Required Courses			_____
CIS105	Survey of Computer Information Systems	3	_____
CIS111	Ethics in Information Technology	3	_____
CIS114DE	Excel Spreadsheet	3	_____
CIS117DM	Microsoft Access: Database Management	3	_____
CIS156	Python Programming: Level I	3	_____
CIS215	Foundations of Data Analytics and Programming	3	_____
CIS214DA	Advanced Excel for Data Analytics	3	_____
CIS276DA	MySQL Database	3	_____
or CIS276DB	SQL Server Database		_____
CIS224	Project Management Microsoft Project for Windows	3	_____
CIS256DA	Python for Data Analysis	3	_____
CIS260BI	Data Visualization: Power Business Intelligence (BI)	3	_____
or CIS260TB	Data Visualization: Tableau		_____
COM225	Public Speaking	3	_____
FYE101	Introduction to College, Career and Personal Success	1-3	_____
or FYE103	Exploration of College, Career and Personal Success		_____
GBS151	Introduction to Business	3	_____
GBS220	Quantitative Methods in Business	3	_____
or GBS221	Business Statistics		_____
PHI103	Introduction to Logic	3	_____
SBU200	Society and Business	3	_____
General Education			_____
First-Year Composition			_____
ENG101	First-Year Composition	3	_____
or ENG107	First-Year Composition for ESL		_____
Select one of the following:		3	_____
ENG102	First-Year Composition		_____
or ENG108	First-Year Composition for ESL		_____
ENG111	Technical and Professional Writing		_____
Oral Communication			_____
Met by COM225 in Required Courses.		0	_____
Critical Reading			_____
Select one of the following:		0-3	_____

CRE101	College Critical Reading and Critical Thinking		_____
Equivalent as indicated by assessment			_____
Mathematics			_____
Select one of the following:		3-6	_____
MAT150	College Algebra/ Functions		_____
MAT151	College Algebra/ Functions		_____
MAT152	College Algebra/ Functions		_____
MAT155	College Algebra/ Functions with Review		_____
MAT156	College Algebra/ Functions with Review		_____
Any higher approved general education course in the Mathematics area			_____
Distribution			_____
Humanities, Arts and Design			_____
Met by PHI103 Introduction to Logic in Required Courses.		0	_____
Social and Behavioral Sciences			_____
Met by SBU200 Society and Business in Required Courses.		0	_____
Natural Sciences			_____
Any approved course in the Natural Sciences area.		4	_____
Total Credits		**62-70**	_____

See https://www.cgc.edu/CourseDescriptions for current course description information.