

CERTIFICATE OF ACHIEVEMENT

Data Analytics

This certificate of achievement prepares students for work in the data analytics industry and for further study. Students discover how to harness the potential of big data to uncover valuable insights and enhance decision-making for practical challenges. Students acquire practical skills in data organization and presentation, programming, machine learning, statistical analysis, and other areas essential for a data science profession.

To acquire the **Certificate of Achievement in Data Analytics**, it is necessary to complete the following courses:

Required Courses		Units	N	IP	C
CIT 101	Introduction to Computer Information Technology	3			
CIT 111	Introduction to Programming	3			
DSCI 100	Foundations of Data Science	4			
DSCI 101	*Statistics for Data Science	4			
CIT 172	*Database Essentials in Amazon Web Services	3			
MATH 170	*Elements of Calculus	4			
Or					
MATH 190	*Calculus I				
Or					
MATH 190H	* Calculus II				
Total units needed for Certificate of Achievement		21			
Units Completed					
*Prerequisite/Corequisite					
<i>Courses are not necessarily listed in order of enrollment; see prerequisites</i>					