

Computer Information Systems - Data Science Certificate (CIS.DSC.CT)

MAT 1580	Statistics	4
Total Credit Hours		35

A minimum cumulative 2.00 grade point average (GPA) overall is required for graduation.

Computer Information Systems - Data Science Certificate (CIS.DSC.ONL.CT) - 100% Online

Certificate

Business, Management, Marketing and Technology

Orchard Ridge Campus

The Computer Information Systems (CIS) certificates are designed for students who need specialty skills in a particular area of information technology that will help satisfy current or future employment requirements. Unlike associate degrees, certificate programs assume that students already have obtained or do not require general education skills and are now looking for education in a specific area of computer technology. Therefore, all of the courses within a certificate program are chosen to develop these specific technical skills in a shorter amount of time than what would be required in an associate degree program. All CIS courses use current computer tools and place an emphasis on practical application to provide a relevant learning environment.

The Data Science Certificate is designed to provide a strong foundation for data investigation, including data wrangling, cleaning, sampling, management, security, exploratory analysis, regression and classification, prediction, and data communication.

Computer Information Systems - Data Science program webpage

Full Time - Computer Information Systems - Data Science Certificate program plan example (<https://www.oaklandcc.edu/program-plan/cis.dsc.ct.ft>)

Part Time - Computer Information Systems - Data Science Certificate program plan example (<https://www.oaklandcc.edu/program-plan/cis.dsc.ct.pt>)

Code	Title	Credit Hours
Major Requirements		
CIS 1200	Introduction to Database Systems	4
CIS 1600	Fundamentals of Cybersecurity	4
CIS 2131	Python Programming	4
CIS 2141	R Programming for Data Science	4
CIS 2241	Discrete Structures	4
CIS 2353	Data Structures	4
CIS 2541	Introduction to Machine Learning	4
CIS 2637	Big Data and NoSQL Systems	3