

# DATA SCIENCE CERTIFICATE OF ACHIEVEMENT

---



A certificate of achievement leading to an entry level position which specializes in the fundamentals of Data Science. Students completing this sequence will have enough basic Data Science skills to enable them to assist managers in small, medium, and large-sized organizations.

**Note: All courses must be completed with a letter grade of "C" or higher or "Pass."**

Code	Title	Units
Select one of the following:		3-4
MATH-160	Elementary Statistics	
BIO-215	Statistics for Life Sciences	
or ANTH-215	Statistics for the Behavioral Sciences	
or PSY-215	Statistics for the Behavioral Sciences	
or SOC-215	Statistics for the Behavioral Sciences	
or ECON-215	Statistics for Business and Economics	
GEOG-104	Introduction to Geographic Information Science	3
CSIS-276	Introduction to SQL	3
or CSIS-180	Fundamentals of Database Design	
CSIS-250	Introduction to Python Programming	4
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
or CSIS-110	Principles of Information Systems	
<b>Total Units</b>		<b>17-18</b>