

# CERTIFICATE IN DATA MINING - GRADUATE

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Units required for Certificate: 9

## Program Description

The Certificates in Computer Science program are designed to recognize students who have completed the following core graduate courses plus additional advanced coursework in a specialty area.

These certificates are available **only** for MS Computer Science matriculated students.

**Note:** Minimum required GPA for all courses taken in the program: 3.0

## Program Requirements

Code	Title	Units
CSC 177	Data Analytics and Mining	3
CSC 219	Machine Learning	3
Select one of the following:		3
CSC 212	Bioinformatics: Data Integration and Algorithms	
CSC 244	Database System Design	
<b>Total Units</b>		<b>9</b>