

# ENGINEERING DATA SCIENCES (GRADUATE CERTIFICATE)

---

The Computer Science and Engineering Department offers a 12-credit certificate program to train engineers on the design of advanced techniques to analyze different kinds of engineering data. The certificate program will build competency in the art of visualizing data and communicating technical ideas through data visualization, as well as competency in data mining, artificial intelligence and machine learning algorithms.

## Required Courses

Course	Title	Credits
CSE 5520	Data Visualization and Communication	3
CSE 5713	Data Mining	3
CSE 5717	Big Data Analytics	3
CSE 5819	Introduction to Machine Learning	3
<b>Total Credits</b>		<b>12</b>