# Business Data Science

## Graduate Certificate in Business Data Science

### CERTIFICATE CODE - CG45

The Certificate in Business Data Science requires 12 credit hours, the coursework unifies statistics, machine learning and information technology to make discoveries otherwise out of sight. The methods emphasized in this certificate are capable of discovering hard-to-find trends in large, population-sized data sets.

**Course Requirements**. In order to satisfy the requirements of the certificate, a student must complete the required courses below. Note, that a cumulative GPA of 3.0 is required for completion of the certificate (a C or better is required in courses, with an overall cumulative GPA of 3.0).

| Code | Title | Hours |
| --- | --- | --- |
| BUDA 515 | Big Data Technologies for Business | 3 |
| BUDA 525 | Business Statistical Methods 1 | 3 |
| BUDA 530 | Business Statistical Methods 2 | 3 |
| BUDA 535 | Business Data Mining | 3 |
| Total Hours | | 12 |

## Certificate Learning Outcomes

### BUSINESS DATA SCIENCE

Upon completion of the certificate, students will be able to:

1. Organize and securely retrieve data from data warehousing infrastructure.
2. Perform advanced predictive analytic techniques using statistical software and communicate their results.
3. Deploy machine learning for mining big data.