online

MASTER OF SCIENCE IN

APPLIED DATA ANALYTICS

Companies produce transactional data, consumers generate shopping data, social media sites generate sentiment data, cell phones generate location data and devices such as automobiles generate sensory and operating data. Big data is expected to rapidly become a key determinant of competition across all sectors of the economy leading to a continuing severe shortage of analytics talent.

This program integrates computer and information science, statistics, and data-based business management principles to inform data driven decision making. It is an applied, technology-intensive program focused on hands-on learning of the tools and techniques of data analytics.

The curriculum emphasizes technical proficiency and applied practical experience and provides students with skills in database processing, data warehousing, data mining, predictive analytics and data visualization to solve real world problems with big data.

CLARION UNIVERSITY | COLLEGE OF BUSINESS ADMINISTRATION AND INFORMATION SCIENCES

Requirements:

Graduate Elective

DA 510*	Database Management Systems
DA 520*	Data Warehousing
CIS/MGMT 570	Project Management
DA 530*	Analytical Methods
DA 540*	Applied Data Mining
DA 550*	Predictive Analytics
DA 560*	Data Visualization
DA 570	Big Data Analytics
DA 580	Data Analytics Capstone

*Indicates accelerated course offering

Prior course in statistics and computer programming are required.

For more information, contact:

Business Administration & Information Sciences Graduate Office, bigdata@clarion.edu

WWW.CLARION.EDU/BIGDATA
WWW.CLARION.EDU/APPLY

COURAGEOUS. *confident.* CLARION.

Why CLARION?

COHORTS BEGIN EACH FALL SEMESTER

TAKE CLASSES ONLINE *at your convenience.*

PREREQUISITES
CAN BE TAKEN SPRING AND/OR SUMMER
before the start of the fall cohort.

COURSES ARE OFFERED IN SEQUENCE
take one at a time and
GRADUATE IN TWO YEARS

190k
DATA SCIENTISTS NEEDED*

ANALYST JOBS ARE EXPECTED
TO *increase* 27%
BY 2020.**

OVER THE COURSE OF A LIFETIME
a person with a master's degree
TYPICALLY EARNS OVER $400,000
MORE THAN SOMEONE WHO HOLDS A BACHELOR'S DEGREE***

Clarion University is an affirmative action, equal opportunity employer and does not discriminate on the basis of sex in its education programs or activities. See the full statement at clarion.edu/nondiscrimination.

* McKinsey Global Institute Report
** U.S. Bureau of Labor Statistics
*** U.S. Census Bureau