

Master of Science - Data Analytics

Plan Description

The program is designed to appeal to and accept a wide variety of students from a wide variety of academic disciplines and the goal is that students will be able to acquire this degree and enter careers in their area of specialization with mid-level data analytical capabilities. From there, they will be able to grow their careers as their experience and application of these skills in their field increases.

This program will utilize the strengths of the College of Engineering's Computer Science Department, which can provide the technical expertise of dealing with database technology, programming, and machine learning. The Lee Business School's Department of Management, Entrepreneurship, and Technology faculty will provide the expertise in managerial aspects of data, governance, and the application of data analytics in an organizational environment to solve problems.

The program will rely on the other participating colleges to provide statistical techniques training that are required for data analysis in specific disciplines.

Plan Admission Requirements

Application deadlines ([LINK](#))

Applications available on the UNLV Graduate College website ([LINK](#))

Applicants will be requested to submit:

- Completed undergraduate Bachelor's degree.
- Minimal mathematics background is required (equivalent to MATH 127 or 128).
- Graduate Record Examinations test scores placing the student in the top 50% of test-takers (i.e., 309 or higher) will be given preference.
- Official transcript of all university-level education from accredited institutions. Unofficial transcripts can be accepted at the time of application, however, official transcripts must be submitted upon acceptance.
- International students must follow the English proficiency requirements (<https://www.unlv.edu/graduatecollege/english-proficiency>)
- Two letters of recommendation concerning the potential for success in the graduate program.
- Statement of purpose explaining interest in the program.
- Minimum GPA and further requirements for all domestic and international applicants can be found at the Graduate College Admission and Registration Requirements page ([LINK](#))

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 36

Course Requirements

Required Courses – Credits: 18

Complete 18 credits by completing all of the following courses:

ITE 621 Programming For Data Analytics I	3
ITE 622 Programming for Data Analytics II	3
ITE 651 Managing Big Data and Web Databases	3
MIS 761 Business Analytics Methods and Tools	3
MIS 769 Big Data Analytics for Business	3
MIS 776 Business Intelligence	3

Statistical Courses – Credits: 6

Complete 6 credits of statistical courses from the following courses or other advisor approved courses.

EAB 770 Applied Statistical Methods for Categorical Data	3
EAB 783 Multivariate Methods for the Health Sciences	3
HOA 730 Statistical Analysis for Hospitality	3
STA 691 Statistics for Scientists I	3
STA 692 Statistics for Scientists II	3

Elective Courses – Credits: 9

Complete nine credits of advisor approved courses.

Culminating Experience – Credits: 3

DA 790 - Culminating Experience in Data Analytics

Degree Requirements

Students must complete 36 credits of approved coursework:

Students will choose an advisor and two other committee members, and will present their work for the committee to collectively decide on a Satisfactory/Unsatisfactory basis.

Students must obtain a 3.0 GPA in order to graduate. A student can have no more than one grade less than B-.

Plan Graduation Requirements

The student must successfully complete a culminating project.

The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing their degree requirements.