

Master of Science - Data Analytics and Applied Economics

Plan Description

The MS in Data Analytics and Applied Economics combines skills in programming, data gathering, and data management with skills in economic reasoning and statistical analysis skills. The program attracts students with focused career choices that require core competence in programming and constructing data systems with analytical and statistical skills. It also prepares students preparing for a career as data scientists.

The economics portion of the degree advances students' knowledge in economic theory. It also provides students with skills associated with advanced statistical and econometric analysis, and helps students develop their communication skills.

The technical portion of the degree is designed to equip graduate students with a solid foundation in programming, building data management systems, and data mining.

For more information about your program, including your graduate program handbook and learning outcomes, please visit the [Degree Directory](#).

Plan Admission Requirements

[Application deadlines](#)

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

Students must:

1. Meet the general requirements for admission to graduate instruction at the University of Nevada, Las Vegas, as described by the Graduate College.
2. Complete the prerequisite preparation in intermediate microeconomic theory (ECON-502 or equivalent), statistical analysis (ECON-262 or ECON 441 or equivalent), plus at least one semester of calculus.
3. Conform to regulations outlined by the Graduate College of UNLV regarding the TOEFL or other equivalent certifications of English fluency.
4. Obtain a minimum of 550 on the GMAT or equivalent on the GRE.
5. If they are international, submit a completed Certificate of Finance to the Office of International Students & Scholars. In addition, international applicants must satisfy the financial eligibility requirements before an I-20 will be issued.
6. Complete Graduate College application online and submit a nonrefundable admission application fee. Mail official transcripts to the Graduate College. Send two letters of recommendation, letter of intent as well as official test scores, GRE or GMAT to the Graduate College.

All domestic and international applicants must review and follow the [Graduate College Admission and Registration Requirements](#).

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: 36

Course Requirements

Core Courses from Management Information Systems – Credits: 15

- [MIS 671 - Big Data](#)
- [MIS 740 - Software Concepts](#)
- [MIS 766 - Data Management](#)
- [MIS 768 - Java Programming](#)
- [MIS 776 - Business Intelligence](#)

Core Courses from Economics – Credits: 12

- [ECO 702 - Microeconomic Theory](#)
- [ECO 770 - Econometrics I, Statistical Modeling](#)
- [ECO 772 - Econometrics II](#)
- And
- [ECO 773 - Business and Economic Forecasting](#)
- OR
- [ECO 740 - Mathematical Economics](#)

Elective Courses – Credits: 6

Complete 6 credits of 600 / 700 level courses in Economics or Management of Information Systems, or other course upon approval of both Graduates Coordinators in the Economics and Management of Information Systems programs, which serve as co-chairs for this program.

Culminating Experience Course – Credits: 3

Complete 3 credits from the following list of courses:

- [MIS 781 - Client Project](#)
- [ECO 794 - Professional Paper](#)

Degree Requirements

1. A minimum of 36 credits of course work is required from the degree with a GPA of at least 3.00 is required for the graduate course work that is part of the degree program.

Plan Graduation Requirements

1. Culminating experience (ECO 794 or MIS 781) must be taken during the student's last year in the program.
 2. A minimum of 36 credits of course work is required from the degree with a GPA of at least 3.00 is required for the graduate course work that is part of the degree program.
 3. The student must submit all required forms to the Graduate College and then apply for graduation in MyUNLV by the appropriate deadline.
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