

DATA ANALYTICS

MASTER OF SCIENCE (MS) IN DATA ANALYTICS

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GROWING BEYOND STEM

Never before have we had such a vast amount of information at our fingertips. And never before have you had such tremendous opportunity to discover what data can do for the world.

With a Master of Science in Data Analytics from the California School of Management & Leadership (CSML) at Alliant International University, you can harness the power of this information like never before.

Over the course of the program, you can start mastering a scientific approach to data. Through in-depth analysis, critical thinking, and hands-on, project-based practice, the MS in Data Analytics Degree Program covers the application of statistical modeling, which can help students succeed in forecasting and operational problem solving. Courses cover the creation and use of corporate data warehousing, how to mine the data at hand, and most importantly, how to connect the dots to a productive solution.

You will work with trending and emerging technologies to help augment data-driven results with necessary perspective and context. You will devise machine-learning tactics and processes that enable an array of data exploration opportunities through descriptive, predictive, prescriptive, diagnostic, and logistical means.

Data is a precious thing. But even more vital is the mind that mans the machine—that can give meaning to the information just waiting to be discovered.

CSML's programs are designed to provide students with more than a high-quality education. We strive to support you by integrating important skills needed no matter where you land in life.

Offered online or on-campus, the MS Data Analytics Degree Program has a two-pronged approach:

A Strong STEM Foundation: Scientific approach to data. Technological understanding of big data tools. Engineering data architecture. Mathematical calculations of statistical analysis. Students engage in the major facets of the successful STEM model throughout the year-long program.

Skills That Stem From the Classroom: The MS in Data Analytics Program goes far beyond the lab to help you build skills in decision-making, problem solving, and management. These characteristics are vital to a role in data analysis, because your ability to communicate connections and discoveries is instrumental to taking informed action.



FROM CLASS TO CORPORATE

This Program offers students the opportunity to use their education in a real-world organization. Within your chosen industry, CSML will help pair you with regional or international companies to attain direct professional development that may take the form of internships or other opportunities.

Executive-in-Residence Program: You will have the opportunity to take part in a six-month, executive-in-residence mentorship program. You will be matched with an executive who will mentor you and offer invaluable professional development along with networking opportunities.

AN ONLINE EDUCATION

We understand the challenge that comes with juggling a career and an education, and also that timing is often everything. So, with these two things in mind, we are proud to offer our MS in Data Analytics program as an entirely online program, since many of our students often need a more accommodating schedule to finish their degree while they continue to work in their current career.



The Data Analytics (MS) program at CSML is accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

ACBSP accreditation certifies that the teaching and learning processes offered within CSML programs meet the rigorous educational standards established by said accrediting body, which is a leading specialized accreditation body for business education across the country.

DATA ANALYTICS (MS) CURRICULUM

Course offerings and sequence may be subject to change.

Prerequisite Courses

Essentials of Computational Science Using Python
Basic Applied Statistics

Courses

Foundations of Data and Decision Algorithms
Database Design Principles and Technologies
Architectures and Methods for Data Mining
Data Visualization
Big Data Tools
Management & Marketing Models for Managerial Decision Making
Strategy and Financial Planning in Global Contexts
Data Analytics and Decision Making
Project Management
Industry Infrastructure, Functional Aspects and Systems
Capstone: Management in a New Age or
Project or Professional Practice Internship

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Please note that not all programs are available at every campus, online, or to residents of every state. For important information about the educational debt, earnings, and completion rates of students who attended this program, please visit alliant.edu/msda.

Alliant is accredited by the WASC Senior College and University Commission (WSCUC), a regional accrediting body recognized by the U.S. Department of Education.

ADMISSIONS REQUIREMENTS

Admission criteria for California School of Management & Leadership (CSML) vary depending on the program you choose and your level of study. All requirements, however, are designed to determine the qualities and capabilities required of professionals in the field to which you are applying. Complete applications are forwarded to the appropriate academic department and/or review committee, who take a holistic approach to the candidate review process and admissions decision.

ADMISSIONS CRITERIA: DATA ANALYTICS (MS)

- A completed application and application fee
- A bachelor's degree from an accredited university or its international equivalent
- Submission of official transcripts
- Essay or personal narrative
- Letters of recommendation (varies by program)
- English language proficiency
- Other requirements that can vary by program

Please see catalog.alliant.edu for more information.
Additional requirements apply to international applicants