

Master of

# DATA ANALYTICS ENGINEERING



Designed for graduates across all engineering fields, the MSDAE is the premier pathway for those determined to lead transformation, influence strategic decisions and shape the future of data-driven organizations.

The MSDAE program addresses a growing need for professionals who can turn complex data into actionable insights. It equips graduates with the analytical, technical and problem-solving skills needed to tackle real-world challenges across healthcare, supply chain, manufacturing, finance and government. The program helps students build a well-rounded skill set that supports thoughtful decision-making, problem solving and leadership in data-driven environments. Graduates are equipped to contribute to organizational improvement, lead data initiatives and guide digital transformation efforts. The program also provides a strong foundation for those who wish to pursue doctoral studies in data analytics engineering or related fields.

# Advance your skills, lead with data

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Today's professionals are increasingly expected to make decisions based on complex data, requiring a combination of advanced analytical, technical and strategic skills. In the UAE and beyond, organizations are seeking experts who can turn data into actionable insights to guide critical decisions. That is precisely why the MSDAE program has become the premier choice for engineers and technically trained professionals who want to simultaneously advance their expertise in data analytics, computational methods and decision-making skills, positioning themselves as leaders in a data-driven world.

## Faculty of distinction

Our MSDAE faculty are leaders in data analytics engineering, with doctoral degrees from top institutions in North America and Europe. They bring a wealth of teaching, research and industry-relevant experience, helping students develop advanced skills, publish research and tackle real-world data challenges.

## Built-in flexibility

The MSDAE program is designed to accommodate the schedules of working professionals. Students can choose between full-time and part-time study, with classes offered at times suitable for those in the workforce. Several courses are delivered in a blended learning format, combining face-to-face sessions with online components, allowing students to engage with the material in a flexible and effective way.

## Graduate assistantships and employment

AUS offers graduate students assistantships and work-study opportunities. These are awarded on a competitive basis, coming in the form of a Graduate Research Assistantship or Graduate Teaching Assistantship. This offers not only financial assistance but also hands-on experience in teaching and research helpful to students interested in pursuing a career in academia.



## Find out more

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