

Master of Science in

# MACHINE LEARNING



Artificial intelligence and machine learning play a vital role in realizing the UAE government's vision of a knowledge-based economy focused on innovation and advanced research. By choosing AUS' Master of Science in Machine Learning (MSML), you will gain the expertise to be at the forefront of innovation and shape the future of artificial intelligence and machine learning in the region.

The MSML program at AUS will help disseminate innovative knowledge, concepts and ideas to the local and international community. It will also help students and professionals develop the necessary research-oriented and leadership skills, with a strong emphasis on scholarship, teamwork and professional ethics in a global and societal context.

## Engage in hands-on research

MSML students will take a diverse range of courses that contribute towards the growing body of knowledge and research related to these areas:

- **Data Mining and Knowledge Discovery**
- **Hardware Architectures for Machine Learning**
- **Cognitive Robotics**
- **Generative Deep Learning**
- **Mobile Application Development with Machine Learning**
- **Advanced Computer Vision**
- **Advanced Natural Language Processing**
- **Cloud Computing Infrastructure**
- **Cyber Security**
- **Modeling and Testing in Software Engineering**
- **Advanced Multicore and GPU Computing**
- **Biomedical Imaging Technologies**



As a graduate student at AUS, I always feel empowered by a dynamic academic environment that fuels innovation, fosters collaboration, and propels me towards the forefront of cutting-edge technology. Through my experience here, I believe that I gained a profound understanding of the most recent machine learning techniques and methodologies that enabled me to find creative applications in multiple fields and achieve many successes in the competitive landscape locally and globally.

The curriculum strikes a perfect balance between theory and hands-on experience. It's tailored to keep pace with industry advancements, ensuring that I'm well-equipped to tackle real-world challenges.

Diaa Addeen Abuhani | AUS Graduate Student



## Faculty of distinction

In undertaking the MSML, you will work under the supervision of faculty who have received their doctoral degrees from renowned universities, including some of the best engineering institutions in North America and Europe. These faculty are recognized experts in their fields, with extensive teaching and research experience. Graduate students have the opportunity to work with faculty to publish their work in leading international engineering and scientific journals.

## Built-in flexibility

Our graduate programs are flexible, ensuring that students are able to pursue their careers alongside their graduate degree. Students can choose between a full-time schedule and a part-time schedule, with classes offered at times suitable for those in the workforce.

## Graduate assistantships and employment

AUS offers graduate 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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