The Master of Science in Mechatronics Engineering (MSMTR) program is committed to being an international, multidisciplinary center of excellence in synergistic applications of the latest techniques in embedded systems, precision mechanical engineering, control theory, computer science and electronics through education, research and outreach.

Integrating the latest in science and engineering
The MSMTR program integrates multidisciplinary engineering concepts of electrical, mechanical, control, computer and software engineering, addressing grand challenges across the ever-changing industrial landscape. Graduates of the program are highly valued by employers, equipped to contribute across the following areas:

- maintenance diagnosis and troubleshooting
- computer integrated manufacturing systems
- modern industrial installations and systems
- robotics
- vehicle design and manufacturing
- defense systems
- intelligent systems
The graduate program at AUS is challenging but highly satisfying at the same time. The graduate courses will help you to expand your knowledge and increase your abilities to tackle real-world problems in a more expansive manner. The time you invest in AUS is bound to leave a positive mark in your life.

Danial Waleed | MSMTR Class of 2019
Doctoral student at the University of Vermont, USA

Faculty of distinction
In undertaking the MSMTR, 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.

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.

Active mechatronics research projects at AUS
AUS graduate students have the opportunity to work with faculty to publish their work in leading international engineering and scientific journals. As part of the AUS MSMTR program, you will have the opportunity to be involved in quality research across a number of areas, such as mechatronics systems and control, path planning and navigation, sensor fusion, motor drives, embedded systems, energy systems, robotics and intelligent systems, and Internet of Things.

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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