


PhD in

ELECTRICAL AND COMPUTER ENGINEERING



The PhD in Electrical and Computer Engineering (PhD-ECE) degree program offers students a deep understanding of electrical and computer engineering. With a research-centric approach, the program prepares graduates to tackle some of the most complex challenges that arise in the field.




Pushing the boundaries of technology through innovative research

The PhD-ECE offers students training in advanced topics in electrical and computer engineering. Through interdisciplinary collaborations, a heavy research-centric foundation and world-class faculty guidance, students graduate as experts capable of contributing to the advancement of knowledge in the field.

Research areas covered by PhD-ECE include:

- artificial intelligence and computational engineering
- communications and networking
- computer architecture and embedded systems
- control systems and robotics
- electromagnetics and RF engineering
- microelectronics and VLSI
- power and energy systems
- signal processing and machine learning



Faculty of distinction

In undertaking the PhD-ECE, you will work under the supervision of faculty who have received their doctoral degrees from renowned universities, including some of the best engineering institutes in North America and Europe. These faculty are recognized experts in their fields, with extensive teaching and research experience. Doctoral 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 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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