Ph.D. in Computer & Information Sciences

Learning Outcomes

Students will be able to:

• Propose a research problem and novel solutions that make significant and unique contributions to advance knowledge.

• Understand research methodologies and experimental designs, and demonstrate the ability to select and apply appropriate methods within the selected research area.

• Demonstrate knowledge of core concepts, theories, and seminal work in the general field of Computer Science (c-track) or Information Systems (i-track).

• Be able to effectively communicate research results through academic publications, including a clear motivation and problem statement, a rigorous survey of related work, a clear explanation and analysis of work performed, and a summary of the novel research contributions.

• Demonstrate the ability to orally communicate complex and novel research concepts.

• Demonstrate an understanding of the ethical issues associated with conducting research in the selected area of study, including working with human subjects, and conducting and reporting research in an ethical way.

• Demonstrate review skills for evaluating the novelty, correctness, and rigor of research papers describing research in areas related to the selected research.