

# INFORMATICS, PH.D.

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The Doctor of Philosophy (Ph.D.) in Informatics educates researchers, teachers, and transformational leaders who advance the science of informatics and the development of information technologies and their integration in the workplace. As a multidisciplinary field, Informatics emphasizes convergent research strategies and team-based science that engage diverse perspectives of information technology and computing with business, engineering, and social, behavioral and economic sciences to address a variety of complex problems in health care, business, engineering, and other domains.

## Learning Outcomes

1. At the completion of the program, students will be able to demonstrate the ability to apply advanced informatics principles and solve complex problems.
2. At the completion of the program, students will be able to work in trans-disciplinary teams to analyze problems and develop, integrate and evaluate innovative solutions applying informatics and information technology.
3. At the completion of the program, students will be able to design a rigorous research project in a specific informatics area of interest.
4. At the completion of the program, students will be able to execute a rigorous research or development project in a specific informatics area of interest.
5. At the completion of the program, students will be able to exhibit professional skills such as scientific writing, oral communication, grant writing, teaching, and professional service.
6. At the completion of the program, students will be able to actively contribute to the informatics research through publication or other appropriate avenues of dissemination.