COMPUTER SCIENCE, PHD

for the degree of Doctor of Philosophy in Computer Science

1. Plan and conduct original research that addresses questions of significance in a particular subject area in Computer Science.
2. Analyze and be able to articulate the scientific advances and limitations of results described in the research literature.
3. Demonstrate the ability to effectively communicate research proposals and results.
4. Demonstrate in-depth knowledge of a particular subject area and broad knowledge of other areas in Computer Science.
5. Demonstrate an understanding of and ability to follow ethical standards in research, teaching, and professional service.
6. Demonstrate the ability to teach concepts in Computer Science at the university level. Additionally, for the MS Bioinformatics program:
7. Demonstrate broad knowledge of topics in bioinformatics.
8. Demonstrate knowledge of at least one subject in biological sciences.