COMPUTER SCIENCE - PH.D.

Program Learning Outcomes
Graduates of this program will be able to:

1. Have all round breadth-of-knowledge and understanding of essential facts, concepts, principles and theories relating to advanced topics in computer science to be regarded as a scholar of computer science.

2. Demonstrate depth of knowledge at least in one specialized topic.

3. Conduct independent research by advancing the body of knowledge in the area through the doctoral dissertation research.

4. Clearly articulate advanced research problems and their solutions.

5. Present general computer science topics in a learning environment.

6. Develop and write publishable papers that clearly articulate advanced research problems and their solutions.

7. Demonstrate integrative and deep knowledge of essential literature, facts, concepts, principles and theories relating to a chosen area of research.

8. Perform complete and through literature searches.

9. Evaluate, comprehensively and critically, the extent to which a particular work relates to and/or contributes to a given field.

10. Publish and participate in a chosen research community.

Admission Requirements

- Official transcript(s)
- Master's degree in computer science (or closely related field)
- GRE scores
- Goal statement
- Résumé
- Three letters of recommendation

English Language Proficiency Requirements for International Students: All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 525 TOEFL score (71 on the Internet-based version), minimum 74 MELAB score, minimum 6.0 IELTS score or minimum 50 PTE Academic score. For more information on international admission, visit the Office of Global Education’s admission website. Effective spring 2018.

Applicants should demonstrate the potential to conduct research and pass the preliminary examination in a timely manner. For more information about graduate admissions, please visit the Graduate Studies website.

CANDIDACY

The candidacy examination is a comprehensive examination in the field of the major subject. The format of the candidacy examination will be determined by the student’s Candidacy Examination Committee, which is composed of the student’s advisor and two other graduate faculty members. The Candidacy Examination Committee must be approved by the graduate coordinator. The student must complete the candidacy examination at least one year before the dissertation defense.