2019-2020 Undergraduate and Graduate Academic Catalog

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Computer Engineering, Ph.D.

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The doctoral program in Computer Engineering is open only to students who have shown exceptional promise in their previous academic work. This program of study is designed for persons who seek faculty positions in colleges and universities or who desire senior designer research, or development positions in industry, government, or universities.

Admissions

Admission to the Ph.D. program in Computer Engineering is normally granted to persons with a baccalaureate degree in electrical or computer engineering. Remedial work will be required of students who enter with an inadequate background. A student must submit satisfactory GRE scores before admission to the Ph.D. program can be considered. For more specific information, prospective students should consult literature available from The Center for Advanced Computer Studies. (http://www.cacs.louisiana.edu)

General Requirements

A minimum of 72 semester hours above the bachelor's degree is required. At least 48 of these hours must be in course work.

For more specific information as to prerequisite and required courses and the comprehensive examination, prospective students should consult literature available from The Center for Advanced Computer Studies.

Language Requirements

The knowledge of topics in mathematics and statistics and computer programming languages required of all Ph.D. students in computer engineering may be used to satisfy the language requirement.

General Comprehensive Examination

A student must complete selected courses designed to test the student's breadth of knowledge of fundamental concepts of computer engineering, and written Ph.D. comprehensive examinations to test depth of knowledge in chosen areas. A student may attempt this examination no more than twice.

Dissertation

A minimum of 24 hours must be earned in dissertation research. The research may be an original contribution to theory in the student's field of specialization, or it may involve new applications of theory.

Final Examination

A final oral examination devoted to the defense and evaluation of the Ph.D. dissertation will be administered to the student after the dissertation has been completed and approved by the dissertation committee.

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