

Computational Science and Engineering PhD requirements

School/College: College of Engineering

Degree(s) Offered: Master of Science, Doctor of Philosophy

Graduate Coordinator: Dukka KC, Email: dbkc@ncat.edu Phone: 336-285-3210

Department Chair: Marwan Bikdash, Email: bikdash@ncat.edu Phone: 336-285-3250

Post-BS Option. Total credit hours: 62

- Pass 12 credit hours as core courses: CSE 702, 703, 801, 804
- Pass 27 credit hours of elective courses from engineering, computer science, mathematics, physics, chemistry, biology, economics, business, agricultural science, or other courses approved by the CSE Department, with approval of Advisor
- Pass the Doctoral Seminar (CSE 992: 1 credit hour) twice for a total of 2 credit hours.
- Take 15 credits of Dissertation-CSE 997
- Pass 6 additional credit hours to complete the 62 credit hour requirement. These credit hours can be from Dissertation-CSE 997, Continuation of Dissertation-CSE 999, Supervised Teaching-CSE 993, Supervised Research-CSE 994, or approved graduate level courses, with approval of Advisor
- Pass Qualifying Exam, Preliminary Exam, and Dissertation Defense

Note that:

- At least 26 credit hours should be 800-999
- Student must maintain appropriate GPA

Post-MS Option. Total credit hours: 44

- Pass 24 credit hours of elective courses from engineering, computer science, mathematics, physics, chemistry, biology, economics, business, agricultural science, or other courses approved by the CSE Department, with approval of Advisor
- Pass the Doctoral Seminar (CSE 992: 1 credit hour) twice for a total of 2 credit hours.
- Take 15 credits of Dissertation-CSE 997
- Pass 3 additional credit hours to complete the 44 credit hour requirement. These credit hours can be from Dissertation-CSE 997, Continuation of Dissertation-CSE 999, Supervised Teaching-CSE 993, Supervised Research-CSE 994, or approved graduate level courses, with approval of Advisor
- Pass Qualifying Exam, Preliminary Exam, and Dissertation Defense

Note that:

- At least 26 credit hours should be 800-999
- Student must maintain appropriate GPA