ELECTRICAL ENGINEERING,
PH.D.

Degree Requirements
Students entering the Ph.D. program with a B.S. degree are required
to complete a minimum of 48 hours of course work and 12 hours of
dissertation preparation. At least 24 hours of coursework must be in the
major and the level of 700 or above.

Students entering into the Ph.D. program with an approved M.S. or M.E.
degree are required to complete 18 hours of course work and 12 hours
do dissertation preparation. At least nine hours of coursework must be at
the level of 700 or above.

The Program of Study (POS) must be defined in consultation with the
student’s advisor and approved by the graduate director. Changes in
the POS require permission of the student’s advisor and approval of
the Graduate Director. Any such changes must be approved before the
beginning of a student’s final semester.

Not more than 12 hours of ELCT 797 and not more than six hours of
ELCT 897 may be approved. Ph.D. students conducting research in the
area of Signal Integrity are required to complete three credit hours of
ELCT 897.

Additional Requirements
Ph.D. Students must take and pass a Qualifying Examination within
three academic semesters of initial enrollment in the program. The exam
will be administered by a departmental committee for the purpose of
ascertaining that the student has mastered the essentials of electrical
engineering. Details of the exam format and contents will be made
available to the concerned students well in advance of the exam.
Students are allowed to take the qualifying exam not more than twice.

Students must be admitted to Ph.D. Candidacy at least one year before
graduation. Admission to candidacy requires passing the qualifying Exam
and filing an approved Program of Study. Each Ph.D. student must write
and present a dissertation proposal and have it approved by his/her
advisory committee, which constitutes the Comprehensive Exam. The
dissertation proposal and its presentation must delineate the scope and
depth of the original research that the student proposes to undertake.