

DOCTOR OF PHILOSOPHY WITH SPECIALIZATION IN ENERGY/ENVIRONMENT/ECONOMICS (E3)

Curriculum

Students interested in the Ph.D. program are required to take at least 72 credit hours beyond the B.S. degree requirements, including CHE 543, and at least five E³ courses (four from both groups A and B; see course listings below) upon the recommendation of their thesis adviser. Registration for approximately 24 credit hours of Ph.D. thesis research in E³ areas of study is also required. Candidates must pass written qualifying and comprehensive examinations and must defend their thesis in an oral examination. The Ph.D. committee for E³ students must include at least one E³ professor from outside the student's department.

Doctor of Philosophy in Electrical Engineering with E3 Specialization Curriculum

Requirement	Credits
Minimum Credits Required	72
Minimum 500-level+ ECE Course Credits	15
Maximum Transfer Credit	32

Code	Title	Credit Hours
E3 Courses		(18)
CHE 543	Energy, Environment, and Economics	3
Select a minimum of five courses from Groups A and B		15
Ph.D. Research		(24-36)
ECE 691	Research and Thesis for Ph.D. ¹	24-36

¹ Dissertation research topic must be in an interdisciplinary E3 area.

Candidates must pass written qualifying and comprehensive examinations and must defend their thesis in an oral examination. The Ph.D. committee for E3 students must include at least one professor with specialization in an energy and sustainability area from outside the student's department.