

**College of Engineering
Department of Engineering and Technology Education**

**Doctor of Philosophy (PhD)
Engineering Education**

Engineering Education Core (15 Cr Min)

ETE 6150	Evaluation and Assessments	3 cr
ETE 7010	Role of Cognition in ETE	3 cr
ETE 7460	Finance & Grant Writing	3 cr
ETE 7810	Research Seminar	1-3 cr
	<i>(1 cr per year of residence; max 3 cr)</i>	

Choose one of the following two:

EDUC 6410	Educational Foundations	2 cr
EDUC 7310	Teaching & Learning Foundation	3 cr

Choose one of the following two:

ETE 6090	Program Design	3 cr
SCED 6150	Foundations of Curriculum	3 cr

Research Theory Core (9 Cr)

EDUC 6600	Research Design and Analysis I	3 cr
EDUC 6770	Qualitative Methods I	3 cr

Choose one of the following two:

EDUC 7610	Research Design and Analysis II	3 cr
EDUC 7780	Qualitative Methods II	3 cr

**Engineering Elective – Area of
Specialization (12 Cr) Choose from following**

ETE 5910	Special Topics	3 cr
ETE 6100	Contemporary Issues	3 cr
ETE 6440	Technology and Society	3 cr
ETE 6450	Administration and Organization	3 cr
ETE 6910	Experimental Lab	3 cr
ETE 7230	Foundations of ETE	3 cr
ETE 7400	Occupational Analysis in ETE	3 cr
ETE 7500	Internationalizing Institution of HE	3 cr
EDUC 6410	Educational Foundations	2 cr
	<i>(if not taken before)</i>	
EDUC 6570	Introduction to Research	3 cr
EDUC 7300	Historical, Social, & Cultural Foundations of Education	3 cr
EDUC 7310	Teaching & Learning Foundation	3 cr
	<i>(if not taken before)</i>	
EDUC 7650	Longitudinal Res Design & Analy	3 cr
EDUC 7700	Single Subject Methods & Design	3 cr
PSY 7070	Adv Measurement Theory & Prac	3 cr

**NOTE: Other appropriate courses approved by
committee**

Dissertation (Min 24 cr)

PhD Dissertation: Students must take an appropriate number of research credit hours to complement their graduate program and be consistent with the Graduate School requirements.

Additional Degree Requirements

1. ETE Qualifying Examination
2. Proposal Defense
3. Dissertation Defense/Examination
4. One peer-reviewed journal paper submission or a conference presentation with a peer-reviewed paper per 12 dissertation credits. Minimum 1 journal paper submission required.
5. Teaching experience including one or more of the following:
 - a. Two semesters of guided teaching experience during the year of residence
 - b. One year of experience as a K-12 teacher
 - c. One year of experience as university/college/community college faculty
 - d. Other equivalent experience approved by the department chair and the student's graduate committee