

College of Education
Doctor of Philosophy (PhD)
C&I Specialization

Area of Emphasis in
Engineering and Technology Education

COE PhD Core Requirements (18 Cr)

Unifying Program of Studies (6 cr)

EDUC 7300 Hist/Soc/Cult Foundations of Educ 3 cr
 EDUC 7310 Teaching-Learning Found. in Educ 3 cr

Research and Statistics (12 cr)

Required

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

Electives – two required

EDUC 6010 Intro. to Program Eval. 3 cr
 EDUC 6700 Single Subj. Research Meth. & Dsgn 3 cr
 EDUC 6780 Qualitative Methods II 3 cr
 EDUC 7610 Research, Design & Analy. II 3 cr

Dissertation (12 cr)

Engineering and Technology Education (24 cr)

Required Core

ETE 7230 Foundations of Technology	3 cr	
ETE 7460 Finance and Grant Writing	3 cr	
*ETE 7010 Cognition in ETE	3 cr	University of Illinois
*ETE 7020 Design Thinking in ETE	3 cr	University of Minnesota
*ETE 7030 Engineering Design & Analy for TE	3 cr	University of Georgia
*ETE 7040 Dynamic & Netw Engring Processes	3 cr	Utah State University
ETE 7810 Research Seminar	1-6 cr	

Optional Electives

ETE 6090 Program Design	3 cr	ETE 6100 Contemporary Issues	3 cr
ETE 6150 Evaluation and Assessment	3 cr	ETE 6440 Technology and Society	3 cr
ETE 6450 Admin. And Organization	3 cr	ETE 6750 Research Methods & Design	3 cr
ETE 7400 Occup Analysis & Curr Devel	3 cr	ETE 7500 Internationalizing Inst. of H.E.	3 cr
ETE 7600 Academic Issues & Politics in H.E.	3 cr	ETE 6930 Independent Study	1-6 cr

*For NCETE Fellows only