

Doctor of Philosophy (Ph.D.) in Curriculum and Instruction (C&I)

with emphasis in Technology and Teacher Education

For a student who has completed a master's degree, a D.V.M. or M.D. at a U.S. institution, a minimum of 64 hours is required on the degree plan for the degree of Doctor of Philosophy. For a student who has completed a baccalaureate degree but not a master's degree or a U.S. D.V.M. or M.D., a minimum of 96 hours is required on the degree plan for the degree of Doctor of Philosophy. (Courses in "**bold**" print are required.)

Core Courses		
Course Number	Course Title	Credit Hours
EDCI 601	Disciplinary Knowledge and Research in C&I*	3
	3 of the following 5 courses	
EDCI 646:	Instructional Theory	3
EDCI 647:	Curriculum Theory	3
EDCI 658:	History in Education	3
EDCI 662:	Philosophical Theories of Education	3
EDCI 606:	Cognition, Culture, & Literacy	3
	Total	12

***EDCI 601** is to be taken during the first semester.

Students and their advisors will choose one of the following two research sequences that is most appropriate for their needs. Any substitutions to these sequences will need to be approved by the student's chair and dissertation/thesis committee, as well as the TLAC department.

Research Core Course Number	Sequence A Course Title	Credit Hours
EDCI 605: Or	Qualitative Research Methods in C&I	3

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EHRD 655:	Qualitative Research	
EPSY 640:	Experimental Design in Education I	3
EPSY 641:	Experimental Design in Education II	3
	Total	9

Research Core Course Number	Sequence C Course Title	Credit Hours
EDCI 686:	Research Methods in EDCI I	3
EDCI 687:	Research Methods in EDCI II	3
EDCI 688:	Advanced Research Methods in EDCI	3
	Total	9

The remaining two research courses (6 hours) should come from this list of “advanced” research courses. Student, their advisors, and dissertation/thesis committee will choose the most appropriate “advanced” courses. The “advanced” research courses may be chosen from the following list.

Qualitative Research Courses		
Course Number	Course Title	Credit Hours
EDAD 623:	Advanced Fieldwork Methods	3
EHRD 651:	Models of Epistemology and Inquiry in Human Resource Development	3
EHRD 656:	Narrative Analysis	3
EHRD 657:	Life History Research	3

Quantitative Research Courses		
Course Number	Course Title	Credit Hours
STAT 653:	Statistics in Research III	3
EPSY 622:	Measurement and Evaluation in Education	3
EPSY 630:	Single Case Research	3
EPSY 636:	Techniques of Research	3
EPSY 642:	Meta-Analysis of Behavioral Research	3
EPSY 643:	Applied Multivariate Research	3
EPSY 651:	Structural Equation Modeling	3

EPSY 689:	Hierarchical Linear Modeling	3
EDCI 627:	Teaching and Learning Data Analysis and Uncertainty Concepts	3

Mixed Methods Research Courses

Course Number	Course Title	Credit Hours
EDAD 620:	Educational Program Evaluation	3
EHRD 618:	Evaluation Models in HRD	3
EHRD 641:	Evaluation of Adult Teaching and Learning	3
EDCI 628:	Analyzing and Reporting Field-Based Research	3
EDCI 689:	Standards and Models of Curriculum Evaluation	3
EDCI 632:	Program Evaluation in C&I	3

Students will work with faculty advisor to identify an appropriate internship experience in technology and teacher education.

Internship Course Number	Course Title	Credit Hours
EDCI 684:	Internship	6
	Total	6

Program Elective Courses		
Course Number	Course Title	Credit Hours
EDCI 689: Or EDCI 689:	Seminar in Teacher Education Seminar in Technology & Teacher Education	3
EDCI 689: Or EDCI 689:	Analysis of Research in Teacher Education Analysis of Research in Technology & Teacher Education	3
EDCI 689:	Sociocultural Perspectives on Technology & Teacher Education	3
	Choose 3 of the following 9 courses	
EDCI 690:	Theory of C&I Research	3
EDCI 604:	e-Learning Classroom Management	3
EDCI 676:	Evaluating & Implementing e-Learning Materials	3
EDCI 689:	Effective Technology for 21 st Century Learners	3
EDCI 657:	Exemplary Technology for Science Education	3
EDCI 675:	Teaching Strategies: Patterns of Learning	3
EDCI 678:	Computers in Curriculum & Instruction	3
EDCI 631:	Mentoring Novice Teachers	3
EDCI 689:	Programming Usable and Reliable Educational Technology – Theory and Practice	3
	Total	18

Dissertation Research		
Course Number	Course Title	Credit Hours
EDCI 691:	Research	13
	Total	13

The student’s advisory committee will consist of **no fewer than four members** of the graduate faculty representative of the student’s fields of study and research, where the chair or co-chair must be from the student’s department, and at least **one or more of the members must be from a department other than the student’s major department.**

Students will refer to the Office of Graduate & Professional Studies (ogaps.tamu.edu) for more information on:

- Resident requirements
- Time limit
- Transfer of credit hours
- 99-hour cap on doctoral degrees

For more information on the Ph.D. degree in C&I with emphasis in Technology and Teacher Education please visit our [website](#).