

## Education and Social Sciences Advanced Research Methods (ARM) – Certificate

### Overview

Offered by the College of Education and Human Development (CEHD), a Graduate Certificate in Education and Social Sciences Advanced Research Methods allows students in the College of Education and Human Development to add to their degree's minimum requirements for training in research methodology. The Certificate testifies to a student's successful mastery of advanced competencies in education and social sciences research methods, with emphasis on quantitative or qualitative approaches. The Certificate requires 12 hours of advanced research methods courses, identified as such by the CEHD's Research Certificate Committee. Enrollment in these advanced courses will require the completion of established prerequisites (designated in the *Texas A&M University Graduate and Professional Catalog*) and/or the approval of the course instructor and the student's dissertation committee chair/faculty advisory. As part of the certificate completion requirements, students will provide evidence of submission of a manuscript for publication as the main author, or as a co-author. As a first step in applying for the Certificate, graduate students should contact their dissertation or program Chair(s).

### Certificate Requirements

Select 4 advanced Quantitative or Qualitative (or mixed methods) Research Methods Courses (12 hours)

Required for Completion: Evidence of submission of an article, for publication in a peer-reviewed journal, as main author or co-author.

### Current Research Methods Requirements by Departmental Programs for PhD Degrees

Department/Program	Minimum Research Methods Requirement in credit hours
Teaching, Learning, and Culture	15 hours
Educational Administration and Human Resource Development	18 hours
Educational Psychology	15 hours
Health and Kinesiology	9-18 hours

### CREHD Courses Approved for Certificate

#### Educational Administration and Human Resource Development

EDAD 623	Advanced Fieldwork Methods	3
EHRD 656	Narrative Analysis	3
EHRD 657	Life History Research	3
EHRD 690	Theory of Educational Human Resource Development Research (Part III)	3

**Educational Psychology**

EPSY 625	Advanced Psychometric Theory	3
EPSY 637	Grounded Theory Methodology	3
EPSY 642	Meta-Analysis of Behavioral Research	3
EPSY 643	Applied Multivariate Methods	3
EPSY 650	Multiple Regression and Other Linear Models in Education Research	3
EPSY 651	Theory of Structural Equation Modeling	3
EPSY 652	Theory of hierarchical Linear Models	3
EPSY 653	Advanced Structural Equation Modeling	3
EPSY 654	Longitudinal Data Analysis	3
EPSY 655	Item Response Theory	3

**Health and Kinesiology**

HLTH 689	Special topics in... (System Thinking and Complexity in Population Health)	3
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**Teaching, Learning and Culture**

EDCI 627	Teaching and Learning Data Analysis and Uncertainty Concepts	3
EDCI 628	Analyzing and Reporting Field Based Research	3
EDCI 661	Mixed Methods Research in Curriculum and Instruction	3
EDCI 688	Research Methods in EDCI III	3