Quantitative Research Methods in Education (PhD)

Our PhD program in quantitative research methods in education (QRME) develops researchers, scholars, and policy leaders who engage in traditions of inquiry that create knowledge and understanding founded in empirical evidence.

The program focuses on:

1. Building a strong understanding of quantitative methods in research
2. Studying causal and complex relationships within applied educational, social, and institutional settings
3. Using research to inform policy and practice in applied educational and social settings

Ideal QRME PhD students:

- Understand the importance of evidence and data in making decisions
- Take an interdisciplinary and systems-level perspective to problems in education
- Value the union of rigorous research methodology with strong grounding in theory and practice

For more information about the PHD in QRME Program, please visit the Program's website at: Quantitative Research Methods in Education Program | College of Education (uoregon.edu) (https://education.uoregon.edu/qrme/)

For application instructions, please see: Apply to the Quantitative Research Methods in Education Program | College of Education (uoregon.edu) (https://education.uoregon.edu/qrme/apply/)

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Meet professional standards by being able to read and critically consume and analyze research; translate research into practices, decisions, and policy; and understand and employ professional standards for equity, fairness, ethical treatment of human subjects, and principled leadership in research and practice.
- Engage in scholarly communications by demonstrating effective oral and written communication skills when working with diverse partners and communicating research findings; and by demonstrating knowledge and understanding of diversity issues, organizational identity, and strategic communication.
- Engage in educational inquiry by gathering and applying empirical evidence in practice; understanding how to conduct and supervise field-based research; and employing conceptual frameworks and methodological approaches appropriate for the line of inquiry.

Quantitative Research Methods in Education Major Requirements

Code	Title	Credits
Methodology		**18**
EDUC 620	Program Evaluation I	
EDUC 621	Program Evaluation II	
EDUC 640	Introductory Statistics for Practitioners II	
EDUC 643	Applied Statistics in Education and Human Service II	
EDUC 645	Applied Statistics in Education and Human Services III	
EDUC 646	Advanced Research Design	
Learning Community		**24**
EDLD 677	PhD Research Seminar (taken 3 times for 3 credits each)	
EDLD 698	Professional Writing III: Literature Review	
EDLD 659		
SPED 626	Grant Writing	
Other courses chosen in consultation with advisor		
Advanced Methods: QRM		**24**
EDLD 667		
EDLD 650	Advanced Seminar Educational Research Methods	
EDLD 633	Structural Equation Modeling I	
EDLD 634	Structural Equation Modeling II	
EDLD 661	Item Response Theory I	
EDLD 628	Hierarchical Linear Models I	
EDLD 629	Hierarchical Linear Models II	
Other courses chosen in consultation with advisor		
Interdisciplinary Concentration		**24**
12 Credits Inside College of Education		
12 Credits Outside College of Education		
Dissertation		**18**
EDLD 603	Dissertation	
Total Credits		**108**