

RESEARCH METHODS GRADUATE CERTIFICATE

Banner Code: E1-CERG-RESM

Academic Advising

Phone: 703-993-2011
Email: cehdphd@gmu.edu
Website: <https://education.gmu.edu/research-methodology/>

The Research Methods Graduate Certificate currently offers concentration areas in: a) Applied Quantitative Methods, b) Qualitative Research and c) Anti-Racist and Decolonizing Research. Coursework in both these concentrations prepares researchers to conduct rigorous and meaningful research in higher education as well as research and policy organizations.

Concentration in Applied Quantitative Methods

The Applied Quantitative Methods 18-credit graduate certificate provides supplemental preparation for applied quantitative researchers in higher education, research, and policy organizations. Coursework addresses a variety of applied quantitative methods and includes conducting an applied research project.

Concentration in Qualitative Research

The Qualitative Research 18-credit graduate certificate provides supplemental preparation for qualitative researchers in higher education and policy organizations. Coursework is interdisciplinary and will provide theoretical and applied research training across case study, ethnography, grounded theory, mixed methods, narrative inquiry, and participatory action research.

Concentration in Anti-Racist and Decolonizing Research

The Anti-Racist and Decolonizing Research (ARDR) 18-credit graduate certificate prepares researchers to conduct rigorous and meaningful research to advance racial justice, decolonization, and equity in society. The certificate has three components: 1) a foundation of three core courses introducing students to critical perspectives in research methods, 2) two electives of advanced applied methods courses including qualitative, quantitative, and mixed methods options, and 3) an applied capstone course.

Admissions & Policies

Admissions

Applicants must have a conferred Master's degree from a regionally-accredited institution prior to enrollment.

Policies

For policies governing all graduate certificates, see AP.6.8 Requirements for Graduate Certificates (<https://catalog.gmu.edu/policies/academic/graduate-policies/#ap-6-8>).

Requirements

Certificate Requirements

Total credits: 18

This certificate may be pursued on a full-or part-time basis.

Students must select one of the following concentrations:

Concentration in Anti-Racist and Decolonizing Research (ARDR)

Coursework

Code	Title	Credits
EDRS 814	Anti-Colonial Methodologies	3
EDRS 833	Participatory Action Research	3
EDRS 892	Anti-Racist and Decolonizing Research Capstone	3
EDUC 855	Critical Perspectives in Education	3
Total Credits		12

Electives

Code	Title	Credits
Select 6 credits from the following:		6

EDRS 818	Critical Discourse Analysis in Education Research
EDRS 820	Evaluation Methods for Educational Programs and Curricula
EDRS 821	Advanced Applications of Quantitative Methods
EDRS 822	Advanced Applications of Qualitative Methods
EDRS 824	Mixed Methods Research: Integrating Qualitative and Quantitative Approaches
EDRS 825	Advanced Research Methods in Self-Study of Professional Practice
EDRS 826	Qualitative Case Study Methods
EDRS 827	Introduction to Measurement and Survey Development
EDRS 828	Item Response Theory
EDRS 836	Narrative Inquiry
EDRS 850	Grounded Theory
EDRS 897	Special Topics in Research Methods

Students may choose an alternate elective with advisor approval.

Total Credits		6
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Concentration in Applied Quantitative Methods (APQM)

Coursework

Code	Title	Credits
EDEP 823	Research Project: Designing your Study	3

EDEP 824	Research Project: Analyzing your Data and Disseminating Findings	3
EDRS 821	Advanced Applications of Quantitative Methods	3
Total Credits		9

Electives

Code	Title	Credits
Select 9 credits from the following:		9
EDRS 827	Introduction to Measurement and Survey Development	
EDRS 828	Item Response Theory	
EDRS 829	Bayesian Methods	
EDRS 830	Hierarchical Linear Modeling	
EDRS 831	Structural Equation Modeling	
Total Credits		9

Concentration in Qualitative Research (QR)**Coursework**

Code	Title	Credits
EDRS 812	Qualitative Methods in Educational Research	3
EDRS 822	Advanced Applications of Qualitative Methods	3
EDRS 895	Qualitative Methods Capstone Project	3
Total Credits		9

Electives

Code	Title	Credits
Select 9 credits from the following:		9
EDRS 818	Critical Discourse Analysis in Education Research	
EDRS 824	Mixed Methods Research: Integrating Qualitative and Quantitative Approaches	
EDRS 825	Advanced Research Methods in Self-Study of Professional Practice	
EDRS 826	Qualitative Case Study Methods	
EDRS 832	Document Analysis and Archival Research	
EDRS 833	Participatory Action Research	
EDRS 836	Narrative Inquiry	
EDRS 850	Grounded Theory	
EDRS 897	Special Topics in Research Methods	
Total Credits		9