

Date Submitted: 08/29/23 3:52 pm

Viewing: **EDSTMC : Educational Statistics and Research Methods Post Master's Certificate**

Last approved: 05/05/23 3:43 pm

Last edit: 09/05/23 2:00 pm

Changes proposed by: kkhiggi

Catalog Pages Using
this Program

[Educational Statistics and Research Methods \(ESRM\)](#)

Submitter: User ID: [kkhiggi hevet](#) Phone:
[5-3329 5-4924](#)

Program Status Active
Academic Level Graduate
Type of proposal Certificate

Select a reason for this modification

Making Minor Changes to an Existing Certificate, Degree or Program (including 15 or fewer hours, admission/graduation requirements, Focused Studies or Tracks)

Effective Catalog Year Spring 2024

College/School Code
College of Education and Health Professions (EDUC)

Department Code
Department of Counseling, Leadership, and Research Methods (CLRM)

Program Code EDSTMC

Degree Post Master's Certificate

CIP Code

In Workflow

1. EDUC Dean Initial
2. GRAD Dean Initial
3. Director of Curriculum Review and Program Assessment
4. Registrar Initial
5. Institutional Research
6. CLRM Chair
7. EDUC Curriculum Committee
8. EDUC Dean
9. Global Campus
10. Provost Review
11. Graduate Council
12. Faculty Senate
13. Provost Final
14. Registrar Final
15. Catalog Editor Final

Approval Path

1. 08/30/23 3:53 pm
Matthew Ganio (msganio):
Approved for EDUC Dean Initial
2. 08/30/23 4:32 pm
Ed Bengtson (egbengts):
Approved for GRAD Dean Initial
3. 09/05/23 12:44 pm
Lisa Kulczak (lkulcza): Approved for Director of Curriculum Review

- and Program
Assessment
4. 09/05/23 2:00 pm
Gina Daugherty
(gdaugher):
Approved for
Registrar Initial
 5. 09/05/23 6:18 pm
Doug Miles
(dmiles): Approved
for Institutional
Research
 6. 09/07/23 10:52 am
Kristin Higgins
(khhiggi): Approved
for CLRM Chair
 7. 10/04/23 2:15 pm
Matthew Ganio
(msganio):
Approved for EDUC
Curriculum
Committee
 8. 10/04/23 2:54 pm
Matthew Ganio
(msganio):
Approved for EDUC
Dean
 9. 10/04/23 2:56 pm
Suzanne Kenner
(skenner): Approved
for Global Campus
 10. 10/04/23 3:26 pm
Jim Gigantino
(jgiganti): Approved
for Provost Review
 11. 10/19/23 3:13 pm
Ed Bengtson
(egbengts):
Approved for
Graduate Council

History

1. Apr 15, 2021 by Ketevan Mamiseishvili (kmamisei)
2. May 5, 2023 by Gina Daugherty (gdaugher)

13.0603 - Educational Statistics and Research Methods.

Program Title

Educational Statistics and Research Methods Post Master's Certificate

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

What are the total hours needed to complete the program? 15

Program Requirements and Description

Requirements

Graduate Certificate in Educational Statistics and Research Methods:

The graduate certificate in Educational Statistics and Research Methods recognizes students who complete a core of courses focused on developing theoretical, application, and interpretative aspects of statistical techniques and research methods. Graduate students completing this certificate will also develop comprehensive programming and data management skills necessary for today's academic researcher.

Admission to the Certificate Program: In addition to meeting University requirements for admission to the Graduate School, applicants must have earned a master's degree with a minimum 3.00 cumulative GPA on a 4.00 scale or be currently enrolled in a doctoral program at the University of Arkansas. Although there is no minimum GRE score required for the certificate admission, successful applicants admitted to this certificate typically have GRE scores of above 40th percentile on both Verbal and Quantitative Reasoning sections and 30th percentile on Analytic

Writing section. If you believe that your test scores are not valid indicators of your ability, you are welcome to explain your concerns in a statement of purpose. We encourage you to contact the Educational Statistics and Research Methods program coordinator with questions.

Certificate Requirements: Completion of a required list of courses for a certificate with a grade ~~grade-point average~~ of B or above in the following courses:

~~3.40:~~

Program Of Study		
<u>ESRM 6403</u>	Educational Statistics and Data Processing	3
<u>ESRM 6413</u>	Experimental Design in Education	3
<u>ESRM 6423</u>	Multiple Regression Techniques for Education	3
Select two of the following:		6
<u>ESRM 6453</u>	Applied Multivariate Statistics	
<u>ESRM 6653</u>	Measurement and Evaluation	
<u>ESRM 6513</u>	Hierarchical Linear Modeling	
<u>ESRM 6523</u>	Structural Equation Modeling	
<u>ESRM 6553</u>	Advanced Multivariate Statistics	
<u>ESRM 6533</u>	Qualitative Research	
<u>ESRM 6543</u>	Advanced Qualitative Research	
<u>ESRM 6753</u>	Item Response Theory	
<u>ESRM 699V</u>	Seminar	
Total Hours		15

Are Similar Programs available in the area?

No

Estimated Student 8-10 students

Demand for Program

Scheduled Program 2029-2030 ~~2022-~~

Review Date ~~2023~~

Program Goals and Objectives

Program Goals and Objectives

Provide current and prospective graduate students an opportunity to demonstrate advanced learning in

Program Goals and Objectives

education statistics and research methods

Provide future faculty members and other academics with the knowledge to design appropriate and effective research studies and evaluation/assessment projects

Develop increased numbers of individuals trained to provide leaders and organizations with data-based decision making

Learning Outcomes

Learning Outcomes

Understand theory and application of frequency distributions, graphical methods, central tendency, variability, simple regression and correlation indexes, chi-square, sampling, and parameter estimation, and hypothesis testing.

Understand the analysis of variance techniques related to experimental design in educational situations

Understand multiple regression procedures for analyzing data in educational situations

Demonstrate advanced learning in educational statistics and research methods from two elective courses

Create well-designed research studies and evaluation/assessment projects

Use computers and software to organize and analyze data

Assist leaders and organizations with the interpretation of data and the use of data to guide decision-making

Description and justification of the request

Description of specific change	Justification for this change
Changing GPA requirement of 3.4 to required that a B or higher is required in courses to earn credit.	To add requirement of a B or higher in the certificate classes to be consistent with requirements in program.

Upload attachments

Reviewer Comments

Lisa Kulczak (lkulcza) (09/05/23 12:43 pm): Updated scheduled program review. ATTENTION REGISTRAR: Please remove the Undergraduate Council from workflow.

Gina Daugherty (gdaugher) (09/05/23 2:00 pm): Undergraduate Council removed from workflow.