

# APPLIED RESEARCH, STATISTICS AND MEASUREMENT

## CERTIFICATE

DEPARTMENT OF SECONDARY EDUCATION/FOUNDATIONS OF EDUCATION  
COLLEGE OF EDUCATION



### DELIVERY METHOD

100% online

### START TERMS

Fall, Spring, or Summer

### COMPLETION TIME

Minimum of one year  
(based on course rotation)

### NUMBER OF CREDITS

12 credits



## PROGRAM DESCRIPTION

Are you interested in becoming more effective and efficient in data-analysis and decision making? In the field of education and in the public sector, to make strategic decisions, individuals are required to have the knowledge and ability to research, analyze, and interpret data. Slippery Rock University's Applied Research, Statistics, and Measurement, Certificate will help you with this process. The program is designed to give you the necessary preparation skills to apply statistics to analyze, interpret, assess, and evaluate data.

As a student in SRU's Applied Research, Statistics, and Measurement, certificate program, it will help to improve your understanding of data-driven decision methods and you will become familiar with contemporary tools for data-analysis, e.g., SPSS and other software options.

## PROGRAM HIGHLIGHTS

SRU's Applied Research, Statistics, and Measurement, Certificate offers:

- 100% online coursework
- A thorough understanding of data-driven analysis and decision making
- Knowledge and skills as a researcher to effectively lead the application of research, statistics, and measurement in your workplace
- Classes taught by faculty with an expertise in the field of research, statistics, and measurement

## CURRICULUM GUIDE

### Core Courses

SEFE 602 or SEFE 802	Univariate Statistical Methods*	3
SEFE 603 or SEFE 803	Multivariate Statistical Methods	3

### Elective Courses

SEFE 608 or SEFE 808	<b>Select two of the following:</b> Research Methods for Teacher	6
SEFE 699	Research Methods for Teacher Leadership	
SEFE 671	Elements of Quantitative Educational Research	
	Measurement, Testing, and Assessment	12

### Total Hours

12

\*SEFE 602 is a prerequisite for all the courses listed above (if SEFE 602 is not available to take, then take SEFE 671 first).

## IMPORTANT CURRICULUM GUIDE NOTES

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions Concentration Code: 9RSM\*

## ADMISSION REQUIREMENTS

All applicants must submit the following materials along with a completed online graduate application and non-refundable application fee:

1. Official undergraduate degree transcript(s) and any graduate transcripts
2. A minimum of a 2.75 cumulative GPA in an undergraduate major.

## TUITION

Information on current tuition can be found on the main Graduate Admissions website at [www.sru.edu/graduate](http://www.sru.edu/graduate). Financial Aid is not available for this program.

The educational policies and procedures are continually being reviewed and changed in keeping with the mission of the university. Consequently, this document cannot be considered binding and is intended to be used as only an informational guide. Students are responsible for being informed of official policies and regulations for meeting all appropriate requirements.

### FOR QUESTIONS ABOUT ACADEMICS AND COURSE SCHEDULING:

Dr. Edwin Christmann  
Graduate Coordinator  
001 McKay Education Building  
724.738.2319  
[edwin.christmann@sru.edu](mailto:edwin.christmann@sru.edu)

### FOR QUESTIONS ABOUT ADMISSIONS:

Office of Graduate Admissions  
104 North Hall, Welcome Center  
Slippery Rock, PA 16057  
724.738.2051 or 877.SRU.GRAD  
[graduate.admissions@sru.edu](mailto:graduate.admissions@sru.edu)  
[www.sru.edu/graduate](http://www.sru.edu/graduate)

**SlipperyRock**  
University

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