

# APPLIED RESEARCH, STATISTICS AND MEASUREMENT, CERTIFICATE

To access Certificate Requirements, please view the Curriculum Guide tab.

Because the field of education and the public sector require the ability to research, analyze and interpret data to help make decisions, this program will help in the preparation of skills that are necessary to use the application of statistics to analyze, interpret, assess and evaluate data.

As a student in this Certificate Program, you can improve your understanding of data-driven decision methods and can become familiar with contemporary tools for data-analysis.

The program blends online and traditional instruction to help give you the tools and knowledge as a researcher that can make you capable of being a leader in the application of research, statistics and measurement for your organization.

## Related Links

Applied Research, Statistics, and Measurement, Certificate Program Page (<https://www.sru.edu/academics/graduate-programs/applied-research-statistics-and-measurement-letter-of-completion/>)

Secondary Education/Foundations of Education Department Page (<https://www.sru.edu/academics/colleges-and-departments/coe/departments/secondary-education/-/foundations-of-education/>)

Applied Research, Statistics and Measurement Fact Sheet (<https://catalog.sru.edu/graduate/education/secondary-education-foundations/applied-research-statistics-measurement-certificate/file:///C:/Users/emily.shaffer/Downloads/FS-STATS-CERT.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

## Curriculum Guide

| Code                         | Title   | Hours     |
|------------------------------|---|-----------|
| <b>Core Courses</b>          |   |           |
| SEFE 602                     | Univariate Statistical Methods                | 3         |
| or SEFE 802                  | Univariate Statistical Methods                |           |
| SEFE 603                     | Multivariate Statistical Methods              | 3         |
| or SEFE 803                  | Multivariate Statistical Methods              |           |
| <b>Elective Courses</b>      |   |           |
| Select two of the following: |   | 6         |
| SEFE 608                     | Research Methods for Teacher                  |           |
| or SEFE 808                  | Research Methods for Teacher Leadership       |           |
| SEFE 699                     | Elements of Quantitative Educational Research |           |
| SEFE 671                     | Measurement, Testing, and Assessment          |           |
| <b>Total Hours</b>           |   | <b>12</b> |

\* SEFE 602 is a prerequisite for all the courses listed above

## 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