

# DATA ANALYTICS

## CERTIFICATE DEPARTMENT OF MATHEMATICS AND STATISTICS COLLEGE OF ENGINEERING AND SCIENCE



**DELIVERY METHOD**  
100% online

**START TERM**  
Fall or Spring  
(Exception: Students with appropriate  
credentials can enter in the  
Winter or Summer terms, upon approval)

**COMPLETION TIME**  
9 months

**NUMBER OF CREDITS**  
12 credits

### PROGRAM DESCRIPTION

Do you want to improve your career prospects? Big data analytics allows organizations to better harness their data to make smarter and faster decisions. Demand for skilled data science practitioners is rapidly growing across a range of industry domains. This certificate is designed to provide students with hands-on, project-based training to apply data analytics techniques to big data sets.

Graduates from any bachelor's degree program would benefit from this certificate.

### PROGRAM HIGHLIGHTS

SRU's Data Analytics Certificate offers:

- 100% Online Coursework
- A 12-credit program
- Foundational skills integrated into the coursework
- Training in big data analytics, machine learning, and state-of-the-art technologies
- Highly accomplished faculty with external business experience

### CURRICULUM GUIDE

| Course List                           | Credits   |
|---------------------------------------|-----------|
| STAT 603 Statistical Methods          | 3         |
| STAT 630 Regression Methods           | 3         |
| STAT 656 Statistical Computing        | 3         |
| STAT 660 Advanced Statistical Methods | 3         |
| <b>Total Hours</b>                    | <b>12</b> |

### 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  
Major Code: 9DAN  
UCC Date: 12.03.2019

### ADMISSION REQUIREMENTS

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

- All students interested in data analytics or data science are welcome to apply
- Official undergraduate degree transcript(s) and any graduate transcripts
- Students with a GPA below 3.0 may apply for conditional admission

### TUITION

Information on current tuition can be found on the main Admissions website at [www.sru.edu/admissions](http://www.sru.edu/admissions). Financial Aid brochures are available through the Financial Aid Office at [www.sru.edu/FinAid](http://www.sru.edu/FinAid) or the Office of Graduate Admissions.

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. Richard Marchand, Ph.D.  
Professor and Graduate Coordinator  
Chair, Dpt of Mathematics & Statistics  
200M Vincent Science Center  
724.738.4952  
richard.marchand@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  
[www.sru.edu/graduate](http://www.sru.edu/graduate)

**SlipperyRock**  
University

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