

# DATA ANALYTICS

CERTIFICATE  
DEPARTMENT OF MATHEMATICS AND STATISTICS  
COLLEGE OF HEALTH, ENGINEERING AND SCIENCE

[www.sru.edu/datacert](http://www.sru.edu/datacert)



**DELIVERY METHOD**  
100% online

**START TERM**  
Fall only

**COMPLETION TIME**  
12 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 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 a 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
- Training in big data analytics, machine learning, and state-of-the-art technologies
- Highly accomplished faculty with big business experience

## CURRICULUM

**Core Courses (12 credits):**

STAT 603: Statistical Methods  
STAT 630: Regression Methods  
STAT 656: Statistical Computing  
STAT 660: Advanced Statistical Methods

## ADMISSION REQUIREMENTS

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

- Official undergraduate degree transcript(s) and any graduate transcripts and any graduate transcripts
- Students with a GPA below 3.0 with prerequisite coursework may apply for conditional admission
- Complete the following prerequisite courses with a grade of C or better:
  - Probability/Inferential Statistics
  - A programming language (C, C++, Java, Python)
- All prerequisite courses must be complete before entering the program

## TUITION AND ASSISTANTSHIPS

Information on current tuition and assistantships can be found on the main Graduate Admissions website at [www.sru.edu/graduate](http://www.sru.edu/graduate). 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. Dil Singhabahu  
Graduate Coordinator  
200K Vincent Science Center  
724.738.2521  
[dil.singhabahu@sru.edu](mailto:dil.singhabahu@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)

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