DATA ANALYTICS

MASTER OF SCIENCE
DEPARTMENT OF MATHEMATICS AND STATISTICS
COLLEGE OF ENGINEERING AND SCIENCE

DELIVERY METHOD
100% online

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

COMPLETION TIME
Complete in 10-months full-time or two years part-time

NUMBER OF CREDITS
33 credits

OTHER OPPORTUNITIES
Joint SAS Certification

SlipperyRock University

A member of Pennsylvania's State System of Higher Education

EXPERIENCE THE DIFFERENCE

www.sru.edu/graduate

ABOUT THE PROGRAM

The data analytics market is happening now! The World Economic Forum ranked data analyst as the #1 job with increasing demand. The US Bureau of Labor Statistics projects the demand for data analysts to grow by more than 30% between 2022 and 2030. According to Forbes, "Decision makers must prioritize data analytics in 2022" and "Organizations will redefine what it means to build a culture of analytics." The demand for data analysts is real. Slippery Rock University's Master of Science in Data Analytics (MSDA) prepares professionals to work in the rapidly-growing field of data analytics and big data. Enhance your resume and increase your earning potential!

See our webpage for more information **www.sru.edu/dataanalytics**.

PROGRAM HIGHLIGHTS

SRU's Master of Science degree in Data Analytics offers:

- 100% Online Coursework
- A 33-credit program that can be completed in 10 months full-time or two years part-time
- Joint Statistical Analysis System (SAS) Certification
- Foundational skills integrated into the coursework
- Training in modeling, big data analytics, machine learning, and modern technologies
- Highly accomplished and dedicated faculty with external business experience
- Internship option

CURRICULUM GUIDE (33 CREDITS)

FULL-TIME SCHEDULE:

FALL I	WINTER I
STAT 603: Statistical Methods STAT 630: Regression Methods CPSC 605: Data Mining and Data Analysis MATH 611: Optimization Models	STAT 656: Statistical Computing MATH 678: Data Analytics Capstone I
SPRING I	**SUMMER I**
STAT 660: Advanced Statistical Methods STAT 672: Forecasting and Time Series CPSC 685: Big Data Analytics MATH 668: Model Analysis	MATH 688: Data Analytics Capstone II

TWO-YEAR PART-TIME SCHEDULE:

YEAR ONE	
FALL I	**WINTER I**
STAT 603: Statistical Methods STAT 630: Regression Methods	STAT 656: Statistical Computing
SPRING I	**SUMMER I**
STAT 660: Advanced Statistical Methods STAT 672: Forecasting and Time Series	

YEAR TWO	
FALL II	**WINTER II**
CPSC 605: Data Mining and Data Analysis MATH 611: Optimization Models	MATH 678: Data Analytics Capstone I
SPRING II	**SUMMER II**
CPSC 685: Big Data Analytics MATH 668: Model Analysis	MATH 688: Data Analytics Capstone II

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.

Slippery Rock University

EXPERIENCE THE DIFFERENCE

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
- GRE not required

TUITION AND ASSISTANTSHIPS

Information on current tuition and assistantships can be found on the main Graduate Admissions website at **www.sru.edu/graduate**. Financial Aid brochures are available through the Financial Aid Office at **www.sru.edu/FinAid** or the Office of Graduate Admissions.

TESTIMONIALS

"The MSDA program encouraged research and collaboration opportunities with fellow colleagues of varying professions to enrich and expand my knowledge of the field and the possibilities that it presented. This knowledge and experience gained from this program provided me with the necessary skills and traits to compete amongst other candidates, and the support from the faculty instilled confidence in me to succeed and achieve my dreams." Eric Nero, Market Analyst at Infiltrator Water Technologies, SRU Graduate '21.

"The MSDA program provided a rich environment to collaborate with highly-skilled and diverse professors and graduate students with a rigorous curriculum. The knowledge and skills I gained in the program established me as a competitive candidate, and the exceptional support from the faculty put me in the best position to succeed." Matt Belella, Research and Development Engineer at The Pennsylvania State University, SRU Graduate '18.

FOR QUESTIONS ABOUT ACADEMICS AND COURSE SCHEDULING:

Dr. Amanda Goodrick
Graduate Coordinator
200P Vincent Science Center
724.738.2352
amanda.goodrick@sru.edu

FOR QUESTIONS ABOUT ADMISSIONS:

Office of Graduate Admissions
104 North Hall, Welcome Center
Slippery Rock, PA 16057
www.sru.edu/graduate
724.738.2051 or 877.SRU.GRAD
graduate.admissions@sru.edu

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