

DATA SCIENCE, CERTIFICATE

The data science certificate offers students with healthcare industry experience the chance to earn a graduate-level certificate for those who wish to transition into a health informatics career. The certificate will help students learn the skills and knowledge needed to start in the data science field by learning how to analyze, design, and implement relational databases, manipulate data using basic and advanced SQL, visualize data, analyze data using techniques, including but not limited to, descriptive, predictive, and prescriptive techniques. In addition, the certificate would encourage students interested in earning a Master of Science in Health Informatics degree since 9 credits from the certificate can be transferred to the master's program.

Related Links

Data Science, Certificate Program Page (<https://www.sru.edu/documents/programs/factsheets/certificates/fs-datascictf.pdf>)

Computer Science Department Page (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/computer-science/>)

Data Science Fact Sheet (<https://www.sru.edu/documents/programs/factsheets/certificates/fs-datascictf-1.pdf>)

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

CURRICULUM GUIDE

Code	Title	Hours
CPSC 605	Data Mining and Data Analysis	3
CPSC 606	Data Visualization	3
CPSC 623	Database Systems, Modeling and Security	3
Total Hours		9

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

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