BIG DATA SCIENCE, CERTIFICATE

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Required Courses		
CPSC 146	Programming Principles	3
CPSC 236	Selected Computer Languages (Python)	3
CPSC 323	Fundamentals of Database Systems	3
CPSC 405	Data Mining and Data Analysis	3
CPSC 485	Big Data Analytics	3
STAT 152	Elementary Statistics	3
Total Hours		**18**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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

CERTIFICATE IN BIG DATA SCIENCE (6BDS)
This program is effective as of Summer 2025
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