Certificate in Data Analytics

College of Arts and Sciences

Outstanding Preparation

The prepares individuals to design and manage the construction of databases and related software programs and applications, including the linking of individual data sets to create complex searchable databases (warehousing) and the use of analytical search tools (mining). Includes instruction in database theory, logic, and semantics; operational and warehouse modeling; dimensionality; attributes and hierarchies; data definition; technical architecture; access and security design; integration; formatting and extraction; data delivery; index design; implementation problems; planning and budgeting; and client and networking issues.

This certificate offered through the College of Arts and Sciences is open to professionals and graduate students. Both full-time and part-time students are eligible to enroll in this certificate program.

Admission Requirements

Applicants should have an undergraduate degree in Computer Science or a related field from an accredited institution with a GPA of at least 2.75.

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Unlimited Opportunity

GSU offers a superior educational opportunity at an affordable tuition rate while maintaining the professional quality of its programs. GSU's outstanding faculty and real-world curriculum prepare graduates to meet the demands of the future.

Program Advisor:

Bryce Johnsen
Academic Advisor
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Bjohnsen2@govst.edu

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College of Arts and Sciences

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Certificate Requirements

In order to receive the Data Analytics Certificate, students must complete each required course with a grade of "B" or better and submit the application for award of certificate to their faculty advisor.

Required Courses (15 hours):

CPSC 6210	Intro to Scripting Languages (3)
CPSC 6548	Computer Programming: Java (3)
CPSC 6730	Big Data Analytics (3)
CPSC 6790	Data Mining & Business Intelligence (3)
CPSC 8845	Advanced Database Concepts (3)

Elective Courses (9 hours):

CPSC 6710	Social Media Mining (3)
CPSC 6719	Predictive Analytics & Data Collection (3)
STAT 6219	Statistical Methods (3)
MGMT 6750	Predictive Business Analytics (3)

Total Hours: 24 hours