DATA ANALYTICS GRADUATE CERTIFICATE

Banner Code: EC-CERG-DNIC

Phone: 703-993-6269
Email: datamine@gmu.edu

The Data Analytics Graduate Certificate allows students to obtain a basic foundation of knowledge and skills in data analytics engineering. These foundation courses provide the student with an understanding of the following concepts:

• Data, data quality, and large volumes of data

• Data management and data mining

• Modeling and model usage for making decisions

• Statistical methods and visualization

Admissions & Policies

Admissions

Applicants must have completed a baccalaureate degree from a regionally accredited program with an earned GPA of 3.00 or better in their 60 highest-level credits. Applicants are expected to have completed a degree in engineering, business, computer science, statistics, mathematics, or information technology, with demonstrated foundational competence in calculus, statistics, and computer programming. Applicants without that formal academic preparation but with clear evidence of strong and extensive work experience in data or analytics, may also be considered on a case by case basis. Current graduate students in the Volgenau School of Engineering and the School of Business (http://catalog.gmu.edu/colleges-schools/business/) can elect this certificate with the Graduate Secondary Certificate Program Application from the Office of the University Registrar (http://registrar.gmu.edu).

Policies

For policies governing all graduate certificates, see AP.6.8 Requirements for Graduate Certificates (http://catalog.gmu.edu/policies/academic/graduate-policies/#ap-6-8).

Requirements

Certificate Requirements

Total credits: 12

This certificate may be pursued on a part-time basis only.

Coursework

Students must achieve a total GPA of at least 3.00, with no more than three credits of a grade of C from the following courses.

Code	Title	Credits
AIT 580	Analytics: Big Data to Information	3
CS 504	Principles of Data Management and Mining	3
OR 531	Introduction to Analytics and Modeling	3
STAT 515	Applied Statistics and Visualization for Analytics	3
Total Credits		12