

Data Analytics, Undergraduate Certificate

Visit the Information Systems and Technology Department page (<https://www.uvu.edu/ist/>) for more information on the program and access to advising.

Program Description

An Undergraduate Certificate in Data Analytics allows employees who do not have a degree to obtain a credential to advance their career prospects. A certificate also allows those individuals who earned degrees outside the computing fields to obtain a credential in Data Analytics to increase their value to their current or future employers.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		18
Discipline Core Requirements		15 Credits
Complete the following:		
INFO 2410	Database Fundamentals	3
INFO 3130	Introduction to Applied Data Analytics	3
INFO 3410	Database Systems and Warehousing	3
INFO 4120	Data Visualization	3
INFO 4130	Data Science and Big Data Analytics	3
Elective Requirements		3 Credits
Choose 3 credits from the following courses:		
CS 4620	Data Mining (3)	
DGM 3750	Media Analytics (3)	
INFO 4410	Database Administration (3)	
CYBR 4150	Data Security Analytics (3)	
MKTG 3690	Digital Marketing Analytics (3)	
MKTG 4610	Sales Operations (3)	
STAT 4100	Design of Experiment (3)	
STAT 4200	Survey Sampling (3)	
BIOL 3100	Introduction to Data Analysis for Biologists (3)	

Graduation Requirements

1. Completion of a minimum of 18 semester credits.
2. Minimum grade of C- required in all courses.
3. Overall grade point average of 2.0 (C) or above.
4. Residency hours: minimum of 9 credit hours through course attendance at UVU.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year		Credit Hours
Semester 1		
INFO 2410	Database Fundamentals	3
Credit Hours		3
Semester 2		
INFO 3130	Introduction to Applied Data Analytics	3
INFO 3410	Database Systems and Warehousing	3
Credit Hours		6

Second Year**Semester 3**

INFO 4120	Data Visualization	3
INFO 4130	Data Science and Big Data Analytics	3
Elective		3
Credit Hours		9
Total Credit Hours		18

Program Learning Outcomes

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Develop foundational skills necessary to produce computer models, analyses, and visualizations that meet business needs.

Chief executives

- Total Positions 313,900
- Field Growth 5.5%
- Median Salary \$206,680
- Average Openings 23.0

General and operations managers

- Total Positions 3,630,100
- Field Growth 5.8%
- Median Salary \$101,280
- Average Openings 320.8

Management analysts

- Total Positions 1,018,300
- Field Growth 10.6%
- Median Salary \$99,410
- Average Openings 95.7

Operations research analysts

- Total Positions 123,300
- Field Growth 23.0%
- Median Salary \$83,640
- Average Openings 11.3

Data scientists

- Total Positions 202,900
- Field Growth 36.0%
- Median Salary \$108,020
- Average Openings 20.8

Business teachers, postsecondary

- Total Positions 104,900
- Field Growth 6.7%
- Median Salary \$97,130
- Average Openings 8.7