

Graduate Certificate: Applied Analytics

Quarter to Semester Program Comparison

Degree Requirements	Current Quarter Hours	Semester Hours - Fall 2026
Required Courses	12	9
Electives	6	3
Total Cert Hours	18	12

Quarter Format

Campus:
Boston / Virtual

Semester Format

Core Courses: 12 Quarter Hours (QH)

Complete all the required courses:

- ALY 6000 Introduction to Analytics (3)
- ALY 6010 Probability Theory and Introductory Statistics (3)
- ALY 6015 Intermediate Analytics (3)
- ALY 6070 Communication and Visualization for Data Analytics (3)



Required Courses: 9 Semester Hours (SH)

Complete all the required courses:

- ALY 6105 Introduction to Applied Statistics (3)
- ALY 6115 Foundations of Data Analytics (3)
- ALY 6145 Communication and Visualization with Data (3)

Elective Courses: 6 Quarter Hours (QH):

Complete 6 quarter hours from the following:

- ALY 6020 Predictive Analytics (3)
- ALY 6030 Data Warehousing and SQL (3)
- ALY 6040 Data Mining Applications (3)
- ALY 6110 Data Management and Big Data (3)



Elective Courses: 3 Semester Hours (SH)

Complete 3 semester hours from the following:

- ALY 6125 Intermediate Analytics (3)
- ALY 6610 Data Mining Applications (3)
- ALY 6620 Big Data and Cloud Computing (3)