Analytics, Undergraduate Certificate (Boston)

The certificate in analytics is designed to assist and inform students looking to change careers or to upskill the current workforce in appropriate industries. The certificate is designed to meet the needs of people currently working in finance, accounting, system networking, computer programming, or related fields who will benefit professionally by developing skills in data analytics. The curriculum offers students an opportunity to obtain a basic understanding of data literacy; data structure; and management, statistical literacy, and analytical thinking. Credits earned toward the certificate may be used to satisfy the requirements of a bachelor's degree in the College of Professional Studies.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Required Courses

Code	Title	Hours
MTH 1100	College Algebra	3
MTH 2400	Technology and Applications of Discrete Mathematics	3
or PHL 2310	Symbolic Logic	
ALY 2010	Probability Theory and Introductory Statistics	3
ALY 2100	Introduction to Programming for Data Analytics	3
ALY 3015	Intermediate Statistics for Data Analytics	3
ALY 3070	Communication and Visualization for Data Analytics	3
ALY 4000	Analytics Using R	3
Complete one of the following:		3
ALY 3040	Data Mining	
ALY 3110	Big Data and Web Mining	
ALY 4020	Predictive Analytics Using R and Python	

Program Requirement

24 total semester hours required