BUSINESS DATA ANALYTICS – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code:

0506.00
This program is designed for foundational knowledge on applications of data analytics in a business environment. The Business Data Analytics program is designed to prepare students to model, synthesize, analyze and present large data sets for business decision making. Courses will focus on the techniques and computer software used throughout the industry to extract data from various sources, model and interpret data, then present the data in specific industry format for business decision making and intelligence gathering.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Program Outcomes

- Apply Python, dashboard, data visualization, and statistical programming to data analytics and data science problems including real life examples and scenarios.
- Translate business objectives into data mining opportunities and implement predictive analytics solutions to address business objectives.
- Install, run, and apply statistical tools on classification and regression problems involving structured and unstructured data.
- Acquire, process, and analyze large data sets using methods for data exploration, pattern discovery, prediction and answering business questions.
- Develop the confidence to succeed as a data analyst/data scientist by building a professional portfolio that includes end-to-end project experience on practical data analytics/data science projects.

Requirements for the Certificate of Achievement

Code	Title	Units
BUS 005	BUSINESS ANALYTICS	3
BUS 009	INTRODUCTION TO BUSINESS	3
BUS 109	MODELING METHODS	3
BUS 110	ADVANCED MODELING METHODS	3
CIS 012	INTRODUCTION TO PROGRAMMING USING PYTHON	3
STAT 015	STATISTICS FOR BUSINESS AND ECONOMICS	4
Total Units		**19**

General Education Requirements for the Associate in Science Degree

- General Information (https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/)
- PCC Local Gen Ed (https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#pcclocaltext)
- CSU Breadth (https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext)
- IGETC (https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext)