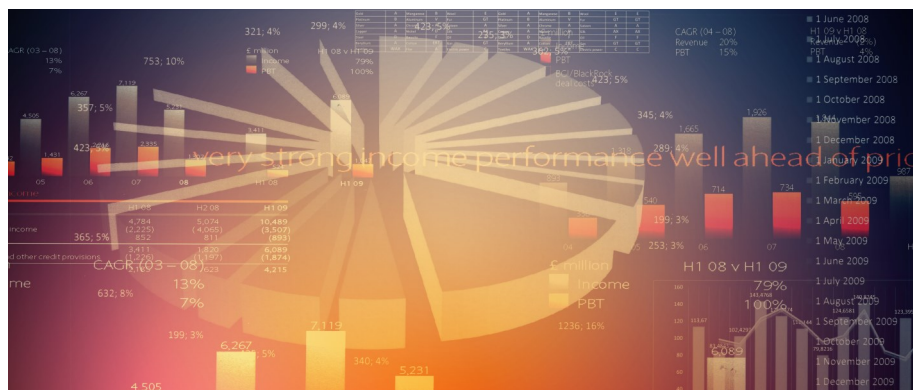


DATA—PRACTIAL DATA SCIENCE

Certificate

The Certificate in Practical Data Science is a rigorous program and is designed for undergraduate students and will supplement current administrative, journalistic and technical careers with marketable skills. Upon completion, students gain a foundational understanding and related competencies in many facets of effective communication with data.

Competencies developed include conducting surveys and experiments, data wrangling, cleaning, sampling, analyzing, and visualizing of data, and more. Topics pertaining to the analysis and presentation of big data will be explored.



Intended as a stand-alone certificate, students will be able to apply data analysis skills in any career or job that requires reporting from quantitative and qualitative sources of information.

Career Possibilities

Job Title	Average Salary
Computer Operators	\$46,240
Data Entry Keyers	\$35,940
Market Research Analyst	\$63,920
Database Administrator	\$101,000

The careers listed above may require additional education beyond an Associates Degree. For more information about the outlook and trends, please visit the Bureau of Labor Statistics: www.bls.gov.

TAKE THE NEXT STEP!

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Your Road to Success

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PRACTICAL DATA CURRICULUM:

First Semester:

- ARTS 125G - Visual Language
- DATA 210G - Elements of Data Science
- MATH 210G - Precalculus*

Second Semester:

- CIS 177G - Intro to Python Programming
- MATH 235G - Statistics for Engineers & Scientists
- DATA 220G - Intro to Analytics with R

Third Semester:

- DATA 225G - Analytics Capstone

*MATH 225G - Probability & Statistics may substitute for MATH 210G

Courses are subject to change. Please refer to Catalog for suggested pathway.

Revised 8/1/2023



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