





# DATA - PRACTICAL DATA SCIENCE

## Certificate

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

Competencies will include how to conduct 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

## Your Road to *Success*

CAN BE COMPLETED IN

**3** SEMESTERS

### 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  
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.*

### GAINFUL EMPLOYMENT DISCLOSER:

View online at:

[www.greatbay.edu/GEprac-data](http://www.greatbay.edu/GEprac-data)

[http://greatbay.edu/sites/default/files/media/ProgramSheet\\_PracticalDataScience-Cert.pdf](http://greatbay.edu/sites/default/files/media/ProgramSheet_PracticalDataScience-Cert.pdf)

Web Administrators	\$80,500
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