



<https://image.slidesharecdn.com/anaconda-fusion-webinar-final-160624170403/95/bringing-open-data-science-into-excel-with-anaconda-fusion-7-638.jpg?cb=1466787973>

“Perfect Storm:” Cheaper hardware, software (open source), & data  
Decision-making based on data.

### Courses in Business Data Analytics @ UH – West O’ahu

- BUSA 340 ETH WI Business Intelligence
  - Microsoft Power BI
  - Data Governance
  - Ethical Decision-Making
- BUSA 342 Practical Programming: Python
  - Extract, Transform, Load (ETL)
  - pandas
- BUSA 348 Data Analytics for Business
  - R
  - Regression & Other statistical techniques
- BUSA 349 Data Analytics for the Cloud
  - Introduction to Cloud
  - Data Analytics Workflow

Under development: Machine Learning

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### Prerequisites

Kapiolani Community College is considering developing a three-course Certificate of 100- & 200-level courses that introduce students to Python, R, and structured query language (SQL).

At UH–West O’ahu

#### Required

- ICS 111 Intro to Computer Science I
  - Python
  - Data Types, Program Flow, Classes & Object-Oriented Programming
- ICS 129 Introduction to Databases
  - Entity-Relationship Diagrams (ERD)
  - Relationships between primary keys and foreign keys
  - Organizing Data by Normalization

#### Suggested

- ICS 184 Network Fundamentals
- ICS 211 Intro to Computer Science II

#### Other

ICS 141 Discrete Math for Comp Sci I