

# Business Systems Analyst

- \* Business Systems Analysts manage IT solutions to drive business goals.
- \* Business systems analysts are the “big picture” thinkers in IT.
- \* Armed with an understanding of both business and technology, these professionals analyze an organization's current computer systems & procedures, and recommend strategic changes to increase productivity, reduce costs and accomplish other business goals.
- \* The systems analyst's prime directive is to maximize the return on investment (ROI) of an organization’s IT spend.
- \* Turn data into information, Solve business needs

## THE BIG DATA REVOLUTION IS HERE

As more and more companies use big data to influence their business decisions, the demand for skilled data analysts is seeing unprecedented growth—across all industries. Here's a snapshot of how big data creates even bigger job opportunities.

### THE DATA ANALYTICS PROCESS

**DATA**

From data to decision making: the data analytics process.

**DECISION** **INFO**

**INSIGHT**

### TREND AMONG MAJOR COMPANIES

**90%** of Fortune 500 companies are predicted to have at least some big data initiatives under way.

34% of executives at large companies in the U.S. and U.K. said they are working to increase their company's use of analytics.

### THE SOURCE OF IT ALL

## BIG DATA

Big data is used to describe data sets that are too large and complex to be processed and analyzed using traditional technologies.

### THE DIGITAL UNIVERSE

**50x GROWTH FROM 2010 TO 2020**

2010: 800 EB  
2020: 40,000 EB

1 exabyte (EB) = 1,000,000,000,000,000 bytes

### 15 MILLION

data-analytic managers and analysts will be needed in the next 5 years to drive decisions.

### TOP COMPANIES HIRING IN DATA ANALYTICS IN D.C., MARYLAND AND VIRGINIA

- Accenture
- Capital One
- Booz Allen Hamilton
- Deloitte
- CACI
- IBM
- General Dynamics
- Farris Ma
- Hortberry Gramman
- Science Applications International Corporation

### GAINING THE COMPETITIVE ADVANTAGE

## THE TOP IN-DEMAND SKILLS

- Structured Query Language (SQL)
- Business intelligence
- SQL Business analytics software
- Data warehousing
- Data analysis
- Oracle
- Business analytics
- Data management
- Business processes
- Extract, Transform & Load (ETL) data

### DATA ANALYTICS JOB OPPORTUNITIES

## TOP 5 REGIONS

## Ohlone Courses/Programs: Business Analyst

CNET 103 (Introduction to Business Analyst / Business Intelligence)	CNET 132 (Tableau Analytics)
CNET 137 (Introduction to SQL)	CNET 133 (Data Integration)