



Institute of Forensics & ICT Security  
Forensics. Security. Training

# CERTIFIED BUSINESS INTELLIGENCE DATA ANALYST (CBIDA)

□ □ FEES  
ENTRY-LEVEL 80 HOURS \$1350



[www.forensicsinstitute.org](http://www.forensicsinstitute.org)

Data and big data analytics are the lifeblood of any successful business. Getting the technology right can be challenging but building the right team with the right skills to undertake big data initiatives can be even harder. Not surprisingly, that challenge is reflected in the rising demand for big data skills and certifications.



CERTIFIED  
BUSINESS  
INTELLIGENCE  
DATA ANALYST

With Practical Skills, You Succeed

# What You Will Learn?

## About this Course

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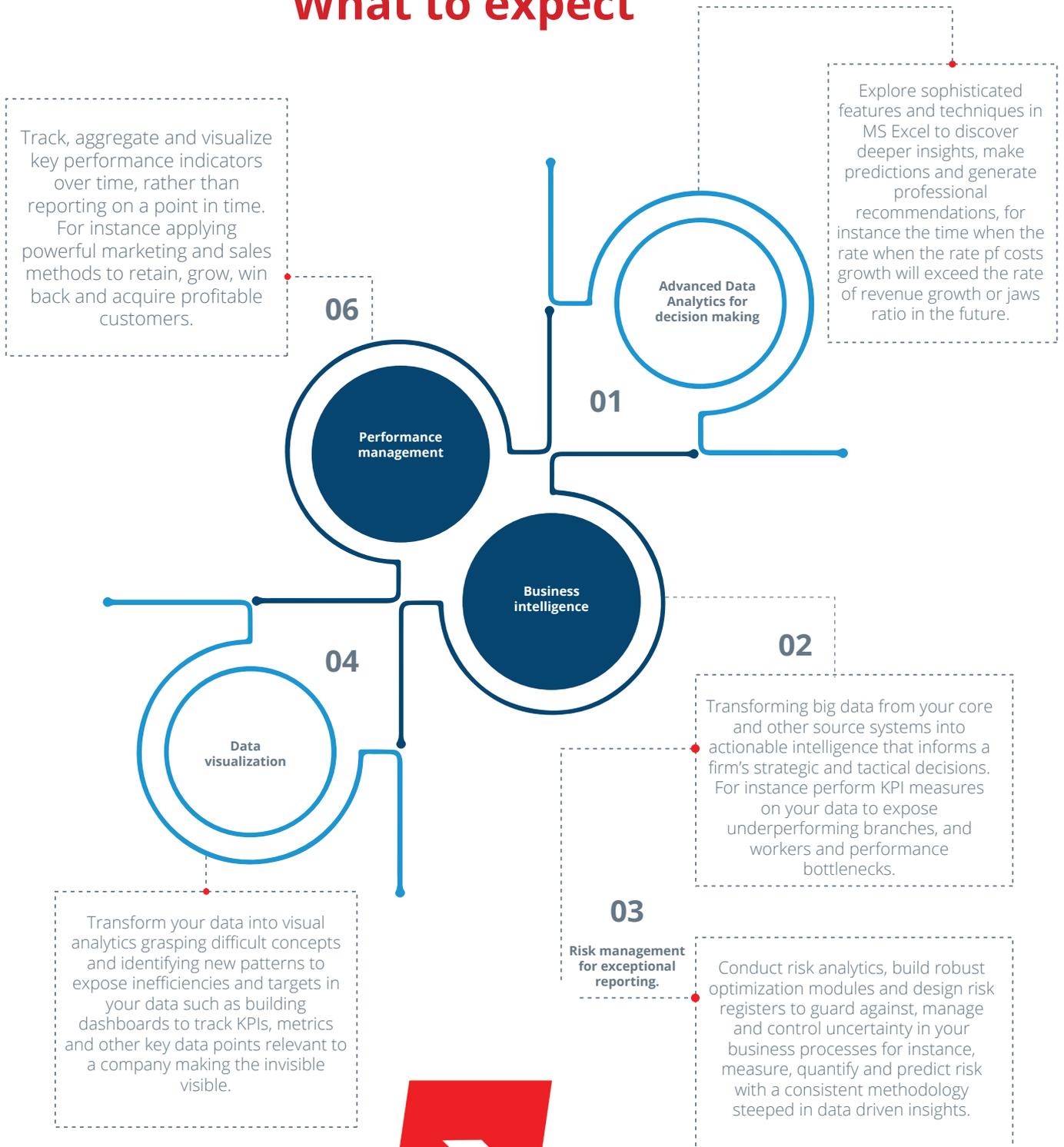


If you're looking for a way to get an edge, big data certification is a great option. Certifications measure your knowledge and skills against industry- and vendor-specific benchmarks to prove to employers that you have the right skillset. The number of big data certs is expanding rapidly. Here, you'll not only get to learn the major Big Data technologies (Hadoop, Spark, Sqoop, Flume and No SQL databases such as MongoDB and HBase) but also analyze Big Data through Data Science in Python, R and doing Statistics, Exploratory Data Analysis, Machine Learning & Tableau.

## Why become a CBIDA

- a. Join the association of a large pool of data analysts and share ideas on different topics and decisions
- b. Industrial leaders are looking to work with the most practically informed data analysts who understand both data and its implication on business decisions.
- c. For executives, it enables you eliminate the HIPPO (Highest Paid Person's Opinion) tendencies. With more exposure to data driven decision making.
- d. The knowledge learnt in this program is transferrable to other certifications of similar magnitude yet more practical.

# What to expect



# 8 Modules of CBIDA

## Level 1

### Module I: Introduction to Big Data Analytics for Business

#### About this Module

This will introduce executives to data-driven decision making in gaining competitive advantage and efficient performance in the organization. You will learn how to formulate business questions to be answered by data analytics. You will be empowered with the techniques to collect, clean and aggregate data from a multitude of sources across your business and/or externally. Executives will also be able to find out flaws in their datasets.

At the end of this module, professionals will learn how to plan and deploy analytics strategies for their business.

#### What to cover

1. Essentials of data understanding
2. Key elements in data analysis
3. Requirements for a data analytics project
4. Data sources
5. Business rules in data analytics
6. Data Visualization essentials
7. Data Analytics tools



### Module II: Introduction to Business Intelligence

#### About this module

Business Intelligence provides key insights for your business leveraging the power of quantitative and qualitative data to enable you acquire actionable information to enhance both your business and clientele in making decisions. This module will introduce you to business intelligence, its importance and how businesses are tapping into business intelligence when delivering outcomes for their clients.

You will acquire practical knowledge on how to gather relevant data and present your insights and recommendations to your fellow executives, stakeholders and clients.

#### What to cover

1. Fundamentals of Business Intelligence
2. Understanding business data
3. Business Intelligence Output
4. Government and Public Policy Intelligence
5. Economics and Finance Intelligence
6. Educational Intelligence
7. Non-Profit Intelligence

## Module III: ETL and Spreadsheets

### About this Module

This module empowers executives with the skills to collect and cleanse hundreds of millions of data from a number of sources using the most used spreadsheet software Ms Excel.. You will be introduced to the power excel workflow and when to use these tools to answer business questions of all types.

This module will enrich executives with skills to perform powerful ETL (Extract-Transform-Load) processes with Ms Excel. You will learn how to automate cleaning tasks in Ms Excel without employing code whatsoever. By the end of this module, executives will be able to connect to an immense pool of core systems I.e. databases, webpages, cloud technologies, CRMs, HRMs, ERPs, etc. and clean this data within a few seconds. You will also be able to load all kinds of big data (more than a million rows).

### What to cover

1. The Most used Business Intelligence Platforms
2. Introduction to Power-Excel Workflow
3. ETL I: Extract and Load
4. ETL II: Transform



## Level 2

## Module IV: Big Data Analytics and Moduleing

### About this level

This module will introduce and professionalize executives to techniques of database deign and normalization using advanced features of the world's most used spreadsheet program Ms Excel. You will be able to connect various number of tables, sources and/or fields to each other to develop cross platform analytics without spending a lot of time.

At the end of this module, executives will be able to build self-sustaining business intelligence solutions in Ms Excel that will be both robust and recyclable for other end users to answer questions in different fields from accounting, audit, other departments in finance, HR, marketing, business development, research, risk, etc.

### What to cover

1. Introduction to Data Moduleing with Spreadsheets
2. Data structuring and Joins
3. Introduction to Big Data manipulation in spreadsheets
4. Big Data Operations to answer business questions
5. Time IntelligenceNon-Profit Intelligence



Level 3

## Module V: Complex Structures and Data Modules

### About this module

Executives are introduced to more advanced methods of data analytics in spreadsheets with solutions built from more complex modules that will further granularize the analysis of a given stream or streams of data.

You will be equipped with skills to highlight key performing areas, or red flags in your datasets. Also, more advanced techniques like Banding and Morphing Switches will enhance tasks in granular audits and accounting setups.

You will further be able to move your data modules from the PivotTables to the worksheet to enhance dynamism in design and structuring to best suit your needs. This section is to free you from the constraints Pivots seem to have in giving you autonomy.

### What to be covered

1. Working with disconnections
2. KPI
3. Cube Formulas

## Module VI: Introduction to Data Visualization and Reporting

### About this module

Data visualization enables Executives to make complex presentations simple, the abstract tangible and the invisible visible. Modern audiences lose interest in very complex visualizations thus you need to get a message across quickly and efficiently.

This module introduces you to the powerful impact of visualizations in presentations. Executives will learn how to interpret and properly visualize data. This section will ensure you know the best practices in data visualization so that you don't mislead your audiences. Executives who complete this module will step out from the crowd with the most compelling visualizations.

### What to be covered

1. Introduction to Storytelling
2. Best practices of data visualization in a BI project



## Module VII: Visual Analytics and Business Dashboards

### About this module

Explore the power of advanced visual analytics with one of the world's most powerful data visualization tools Tableau. Executives will discover a multitude of stories in their business data with interactive dashboards.

You will acquire the skills to build dynamic reports that expose in-depth analytics to management, boards and other executives, and/or clients. We are taking a ground up approach with every tiny bit of knowledge covered in visual analytics with tableau.

Executives will build interactive dashboards with advanced presentation kits that will make the intangible tangible and the abstract simple. You will build robust financial dashboards, marketing scoreboards, business intelligence tools and corporate presentations that will put you up there with the big dogs.

### What to be covered

1. Introduction to Tableau for BI
2. Visual Analytics and parameters
3. Dashboard Enterprising

## Module VIII: Tools for forecasting in BI

### About this module

Executives will employ robust predictive analytics modules to forecast key performance indicators in business from quarterly sales, pricing modules to projected cashflow modules. You will build powerful hedonic modules that can be used to score key performers and detect fraudulent behavior.

This module will also empower professionals with techniques to manipulate information on the internet to forecast statistics from unemployment rates to projected lending rates. Also, industrial growth projection will be subject to many tools.

### What to be covered

1. Visual Forecasting
2. Errors, Bias and Accuracy tests
3. Trendlines
4. Exponential and CAGR
5. Seasonality
6. Econometric Modeling and Regressions
7. Applications in BI Forecasting

Fee break down	
Study option/presence	Fees (USD)
1. Tuition	600.00
2. Exam	300.00
3. Administrative Fees	50.00
4. Exam Revision Fees	300.00
5. Associate Membership	70.00
6. Lunch and refreshments	30.00
<b>Total</b>	<b>1350.00</b>
Items 1 - 3 are mandatory	

## Study Options

- 1. Boot Camp** – Starting 1st week of the month, Monday to Friday 9am to 5pm
- 2. Evening Classes** – Tuesday to Thursday, 6pm to 9pm
- 3. Weekend Classes**  
Saturday 9am to 5pm and Sunday 9am to 1pm

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