



**UNIVERSITÉ
FRANÇAISE
D'ÉGYPTÉ**

BACHELOR OF BUSINESS INFORMATICS & DATA ANALYTICS

School of Business & Information Systems

Overview

The bachelor's in business informatics and data Analytics is a 3-year Egyptian bachelor's degree with the curriculum prepared in partnership with Réseau des IUT. Students must complete an internship lasting between 8 and 12 weeks in one or more organizations to ensure gradual professional integration. They can also study for a master's degree in Multilingual Digital Marketing or a master's in Banking and Finance.

In collaboration with



Egyptian degree European ECTS

WHY STUDY BUSINESS INFORMATICS AND DATA ANALYTICS?

- 3-year Egyptian bachelor's degree
- Graduates are equipped to bridge the gap between business needs and technology, facilitating effective and informed decisions.
- Mastering the analytical tools necessary to collect, organize, and interpret data, enabling graduates to recommend solutions that help enterprises to boost growth, predict new trend, increase customer satisfaction Improve and reengineer business processes and optimizing the costs.



POSSIBLE CAREERS PATHS

- Data analyst.
- Business Intelligence developer.
- Analysis and reporting manager.
- Data manager.
- Data scientist
- Enterprise Data Architect.
- AMOA project manager.
- Big data developer.
- Statistical Analyst

STUDY COURSES

YEAR 1 - SEMESTER 1

Spreadsheets and reporting.
Relational databases 1.
Programming basics 1.
Descriptive statistics 1.
Probability 1.
Mathematics – analysis.
Introduction to specialized English language.
Information communication and documentary research.
Discovering data from the business and economic environment.
Personal and Professional Project 1.

YEAR 2 - SEMESTER 1

Advanced use of reporting tools.
Decision-making information systems.
Web technologies.
Automated statistical programming.
Linear algebra.
Hypothesis testing for bi-variate analysis.
Professional English language.
Organizational and professional communication.
Business and economic environment data for decision support.
Object programming.
Personal and Professional Project 3.

YEAR 3 - SEMESTER 1

NoSQL databases.
Data mining.
English language for international cooperation & international data issues.
Data communication, ethics and responsibility.
Personal and Professional Project 5.
Software development.
Web programming for visualization.

YEAR 1 - SEMESTER 2

Reporting and Data visualization.
Relational databases 2.
Programming basics 2.
Statistical programming.
Descriptive statistics 2.
Probability 2.
Basics of algebra.
Inferential statistics.
English language of specialization.
Communication and semiology.
Study of data from the business and economic environment.
Personal and Professional Project 2.

YEAR 2 - SEMESTER 2

Programming automation and testing.
Factor methods.
Automatic classification.
English scientific language and argumentation.
Scientific communication and argumentation.
Exploring & exploiting data within a legal & economic framework.
Personal and Professional Project 4.
Data preparation/integration.
Web programming.

YEAR 3 - SEMESTER 2

Big Data: issues, storage and extraction.
Statistical methods for Big Data.
English language for business communication.
Communication for management.
Advanced Big Data.



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APPLY NOW

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