

### Indicative Modules

Graduates of this specific master's program acquire a broad range of skills that equip them for a successful professional career. **Some of these skills include:**

- Data Analytics:** Ability to use statistical and mathematical methods to analyze large datasets.
- Machine Learning and Artificial Intelligence:** Understanding of machine learning and artificial intelligence algorithms for data analytics and the development of predictive models.
- Data Management and Visualization:** Ability to design and develop databases for data storage and retrieval.
- Business Intelligence:** Development and use of tools and techniques to extract business insights from data.
- Communication Skills:** Development of communication and collaboration skills for effective teamwork in a professional environment.
- Research Skills:** Mastery of various research methodologies for conducting rigorous and systematic investigations, enabling the development of evidence-based solutions and contributing to the advancement of knowledge in the field.



## why to choose this programme

### Highly qualified experienced

University Tutors and IT professionals in Greece and abroad

### State of the art curriculum

with options to choose between Bioinformatics, Marketing Analytics, or Business Analytics

### Collaboration with industry companies

to transfer industry's know-how and facilitate job placement from the first year of studies

### Evaluation through practical assignments

aimed at creating personal portfolios

### Programme flexibility with full or part-time studies



Upon completing this specialized postgraduate program, graduates will be well-positioned to pursue outstanding career opportunities across a diverse array of roles within the cutting-edge field of information technology. Specifically, graduates will be equipped to excel in areas such as Data Science and Big Data Analytics/Management Technologies. Moreover, they will possess a competitive edge for employment in software consulting firms, enterprises focused on software development, and IT departments of major organizations in sectors such as finance, telecommunications, and the public sector. Additionally, graduates will be prepared for careers in research, further enhancing their professional versatility and potential for impact.



**Apply Now!**  
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tel.: +30 2310 88 98 79  
info@nyc.gr, www.nyc.gr



**NEW YORK COLLEGE**  
THE INTERNATIONAL COLLEGE OF GREECE  
**The LEADING College of University Studies in Greece:**  
The ONLY Greek College with expertise in founding and operating Private Universities in Europe!

# MSc in Data Analytics & Technologies



## Harnessing the Power of Data for Tomorrow's Solutions



The University of Bolton- Greater Manchester, offers a comprehensive **MSc in Data Analytics and Technologies** with studies at New York College, providing you with the opportunity to master the latest methodologies and techniques for managing and analyzing large volumes of data. This program delves deeply into real-time Data Science, equipping you with the skills needed to navigate and excel in this dynamic field.

Designed in collaboration with industry partners, our curriculum ensures that you not only acquire technical expertise but also gain a profound understanding of the ethical issues pertinent to your future professional endeavors. The program is meticulously structured to prepare you for a successful postgraduate career by fostering advanced intellectual skills in research, critical thinking, composition, and innovation. Additionally, it emphasizes the development of essential competencies such as teamwork and academic writing.

## EMBRACING DATA ANALYTICS Pioneering Tomorrow's INNOVATIONS



### Programme Duration

Programme flexibility with full or part-time studies  
Classes take place on Friday evenings & on Saturdays

**Full time: 12 months**  
including the preparation of the thesis under the supervision of a supervising professor

**Part Time: 24 months**  
including the preparation of the thesis under the supervision of a supervising professor

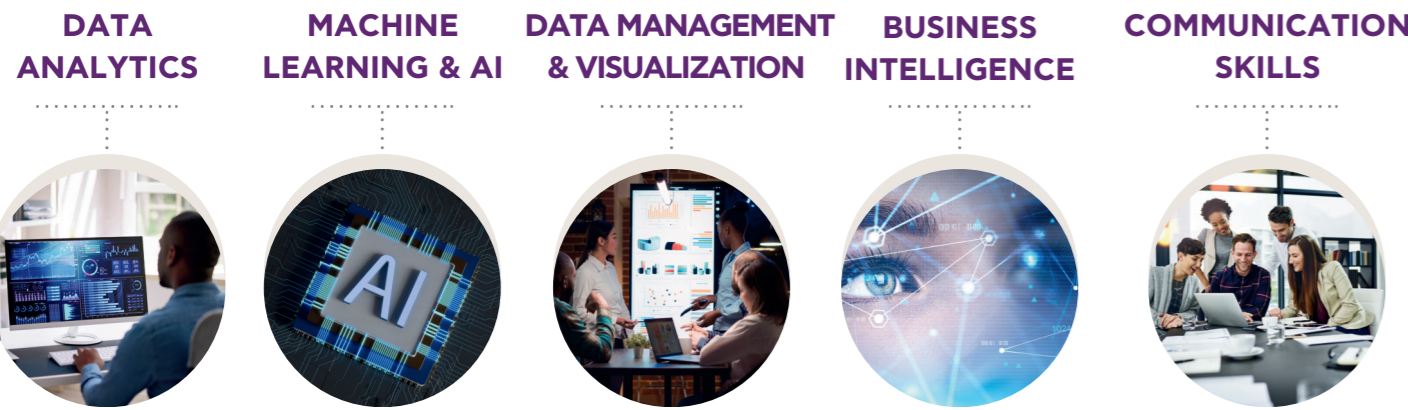
### CURRICULUM

- Professional Practice
- Research Methods
- Data Analysis and Visualization
- Big Data Analytics
- Data Mining and Machine Learning
- Project

Choose one of the following modules:

- Business Analytics
- Health Informatics
- Marketing Analytics

WE HAVE THE  
**ALGORITHM  
TO SUCCEED**



“Data Analytics is a crucial methodology for fostering innovation across diverse industries. By employing advanced techniques to extract meaningful insights from extensive datasets, data analytics facilitates informed decision-making, optimizes operational processes, and identifies new opportunities for growth and development. Graduates of this specialized master’s program are in high demand within the job market due to their extensive skill set and proficiency in addressing complex data challenges. They are well-equipped to contribute solving contemporary issues across multiple sectors, including healthcare, finance, marketing, and technology.

**Dr Anastasios Liapakis**  
(PostDoc, PhD, MSc, MBA, BSc)  
Head of Informatics Department New York College,  
Member of British Computing Society



# University of Bolton Greater Manchester

**IN THE 30 BEST UNIVERSITIES IN THE UK!**  
(Guardian 2024)

The state UNIVERSITY OF BOLTON is located in the Greater Manchester area of England with a history dating back to 1824. According to the Guardian (Best UK Universities 2024 – rankings), to UNIVERSITY OF BOLTON is ranked among the 30 best universities in the UK. Recently, the BBC highlighted the UNIVERSITY OF BOLTON as a model for UK Universities, regarding its operating standards for student safety from the Covid-19 pandemic and the UK Education Secretary Michelle Donelan, from the floor of the House of Commons, referred to the “amazing work the University is doing”.

New York College has a franchise agreement under the Greek Ministry of Education legislation and the degree you will receive at the end of your studies is awarded by the University itself.

