



*Data Mining and Business
Intelligence for Cyber Security
Applications*

A Unique Summer Program

Data Mining and Business Intelligence for Cyber Security Applications

Data Mining and Business Intelligence focuses on automatic data analysis and the extraction of information and knowledge. Over the last few years, data mining has become a crucial factor in the competitive environment and serves organizations at all levels, from operational decisions to the improvement of strategic planning. The summer program in data mining and business intelligence will meet the obvious need for academic training in big data, business intelligence and data mining methods, especially for cyber security enhancement.

Ben-Gurion University of the Negev (BGU) Was founded in 1969, and established itself as one of the leading universities in Israel. Over the years, BGU has acquired an international reputation. In 2012, Israel's Prime Minister declared that Beer Sheva and BGU are to become the country's cyber security command center. Consequently, the Cyber Security Research Center and the Big Data Lab were established at Ben-Gurion University of the Negev in 2013. These developments have transformed BGU, with its research centers and leading academic faculty, together with the Advanced Technologies Park, into an ideal environment for a summer program in these fields.

PROGRAM DESCRIPTION

The purpose of the Summer Program in Data Mining and Business Intelligence is to provide both theoretical and practical knowledge, including tools, on data mining. The program offers two academic courses (each for 3 credits), where students learn the basic tools of data mining and the utilization of machine learning techniques for solving cyber security problems. The final project corresponds with the course materials and contributes the practical experience component. In addition, students will take part in professional fieldtrips to leading companies, in order to enhance their understanding of data mining and cyber security.

PROGRAM STRUCTURE

The program consists of the following components:

- Advanced Topics in Cyber Security (3 credits)
- Methods for Detecting Cyber Attack (3 credits)
- Final Project dealing with novel cyber security problems

Additionally, the students will take part in professional field trips, visiting the industry's leading innovators, supporting organizations and additional figures of the data mining and cyber security ecosystem.

World Renowned Professors And Lecturers

Learn in-person from renowned BGU faculty and leading industry practitioners.

Requirements:

- Students in their third year of undergraduates studies or at any stage of their graduate studies in: Information Systems Engineering, Software Engineering, Computer Science, Electrical Engineering, Communication Engineering, Data Science, Applied Mathematics, Statistics and Industrial Engineering & Management with Robotics or Information Systems track.
- The student must have a GPA of 82 or 3.0 at least.
- English proficiency required.
- Personal Laptop (windows OS).
- Programming experience — advantage
- Background in Cyber Security — advantage

All applications will be evaluated by an admission committee.

How to Apply?

Apply online: <https://www.tfaforms.com/399172>

Please prepare the following documents:

- Up-to-date transcripts in English
- Course specific Recommendation letter from the head of the department
- Motivation letter in which you explain why you want to attend this program (maximum one page long) CV
- Passport-format photograph (JPG) Scanned copy of your passport

Application Schedule:

Application deadline: March 1, 2020

Notification of Acceptance: April 6, 2020

Orientation day: July 12, 2020

Course dates: July 12 to August 6, 2020

Tuition

Application Fee: \$60

Tuition: \$5200*

* Also includes health insurance, trips and social activities, professional field trips. Does not include airfare, meals and personal expenses.

Scholarships are available for qualified students.

FOR FURTHER INFORMATION:

<https://in.bgu.ac.il/en/pages/default.aspx>

