Ben-Gurion University of the Negev
Our Purpose

Ben-Gurion University of the Negev embraces the endless potential we have as individuals and as a commonality to adapt and to thrive in changing environments. Inspired by our location in the desert, we aim to discover, to create, and to develop solutions to dynamic challenges, to pose questions that have yet to be asked, and to push beyond the boundaries of the accepted and possible.

We believe that our vantage point in Israel’s Negev desert grants us a unique point of view, which sparks our creativity, motivates our journey to understanding, and enables us to achieve the remarkable.

We believe that bridging disciplines and cultures is critical to the success of research and scholarship.

We believe in the delight of exploration, the culture of collaboration, and the cultivation of original ideas.

We invite you to set aside existing paradigms and view the world from our unconventional perspective.

In the pioneering spirit of David Ben-Gurion, we encourage you to adopt our expansive point of view and see the extraordinary power emerging from the desert – for Israel, and for the world.
One of the top three universities in Israel

20,000
Students

160,000
Alumni

930
Senior academic faculty, from a total of 6,700 staff members

30%
of students are enrolled in graduate degree programs

Campuses 3
• Beer-Sheva
• Sde Boker
• Eilat

A medical center as part of the campus + three additional affiliated hospitals

Hi-tech park adjacent to campus
One university, embracing diversity

An international community, including 1,000 students from more than 70 countries
BGU by numbers: Students by degree

Total: 19,357

- Bachelor's Degrees: 12,169 (63%)
- Master's Degrees: 4,292 (22%)
- Ph.D.: 1,331 (7%)
- M.D.: 585 (3%)
- Non-degree: 980 (5%)
BGU by numbers: Students by faculty

Graduates of the Faculty of Engineering Sciences comprise more than **30%** of all new engineers in Israel each year.

- **Engineering Sciences**: 5,745 (28%)
- **Natural Sciences**: 2,996 (15%)
- **Humanities & Social Sciences**: 6,177 (31%)
- **Health Sciences**: 2,854 (14%)
- **Jacob Blaustein Institutes for Desert Research**: 201 (1%)
- **Guilford Glazer Faculty of Business & Management**: 2,228 (11%)

**Total**: **19,357**
The Negev at the center

BGU realizes the vision of David Ben-Gurion, who understood that a world-class academic institution has the power to **transform the Negev region**

The University has a special mandate: development of the Negev, economically, socially, and culturally

The Negev constitutes 60% of Israel’s area and houses only 11% of its population
The University leads multiple national research institutes and projects

- Ben-Gurion National Solar Energy Center
- National Institute for Biotechnology in the Negev
- Cyber Security Research Center & Cyber Emergency Readiness Teams (CERT)
- Azrieli National Centre for Autism and Neurodevelopment Research
- Heksherim Research Institute for Jewish & Israeli Literature & Culture
- Homeland Security Institute
- IDF Airforce Pilots Academy
- The Ben-Gurion Institute for the Study of Israel and Zionism
Transformative research

- Quantum
- Renewable energy
- Ecology & environment
- Stem cells
- Psychology
- BrainTech
- WaterTech
- Space & Remote Sensing
- Cyber Security
- Nanotechnology
- Ergonomics
- Cancer
- Epidemiology
- Robotics
Yazamut 360° Entrepreneurship Center

\ A unique pre-accelerator and workspace enabling students, alumni and faculty to develop technological and social initiatives.

\ Dozens of initiatives already operating on site.

Cactus Capital

\ A University $1 million VC fund that invests in start-ups founded by BGU students.

\ The only VC fund in Israel managed by students and with students as members of its investment committee.
The University attracts outstanding researchers and students with original and innovative ideas, as well as a social conscience, from Israel and around the world; many go on to assume leadership positions in numerous areas of life.

From the Negev to the world

- 350 startups established or managed by BGU alumni and researchers
- 6,000 students involved in community outreach and social projects
- 74 students in the unique Open Apartments Program
BGU Alumni make an impact

Ziv Aviram
Co-founder and CEO, Mobileye

Prof. Alon Chen
President, Weizmann Institute of Science

Dr. Efrat Baron-Harlev
Director, Beilinson Medical Center

Dr. Tal Zaks
Former chief medical officer at Moderna, developer of a Coronavirus vaccine

Tomer Cohen
Chief Product Officer, LinkedIn

Ronit Atad
CEO, Microsoft Israel

Prof. Alon Chen
President, Weizmann Institute of Science

Itay Yogev
Al Group General Manager, Intel

Col. (res.) Dr. Tarif Badar
Director, Kaplan Medical Center; former Surgeon General, IDF Medical Corps

Juman Jubran
Olympic athlete and doctoral student in biotechnology engineering

Avi Blasberger
Former Director General, Israel Space Agency

Ronit Atad
CEO, Microsoft Israel

Dr. Tal Zaks
Former chief medical officer at Moderna, developer of a Coronavirus vaccine
Transforming the Negev

Building a powerful ecosystem – all within a square mile
BGU Advanced Technologies Park (ATP)

- Home to R&D centers of leading global corporations
- Students work at ATP and gain practical experience
- Graduates go on to careers in hi-tech
Cybersecurity ecosystem

• Leading global hi-tech companies, accelerators and startups all reside in the ATP
The ATP generates economic and social change in the Negev

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>3,000 employees, 70% live in the region</td>
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<tr>
<td>Final target: 11,000 employees</td>
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<tr>
<td>Total area: 500,000 m²</td>
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<tr>
<td>Floor space: 175,000 m²</td>
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<td>Adjacent residential neighborhood</td>
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North Campus expansion

- 26 advanced lab and classroom buildings
- 230,000 m²
- Dorms for 1,000 students, including couples and families
- Conference and culture center
Ben-Gurion University of the Negev
and the IDF relocation to the South
A national project at unprecedented scale

Israel’s government has decided to relocate major IDF bases in the south as part of its policy to develop and strengthen the Negev economy and fulfill the vision of Israel’s first prime minister, David Ben-Gurion.

The move is the largest-scale national project ever, and is already transforming the Negev’s and Israel’s society and economy.

Beyond being the most ambitious infrastructure project, the IDF’s relocation southward creates thousands of jobs, attracts the technology industry to the region, increases consumption, and supports the transformation of the Negev into a national-level population center.

Similarly, it leads to increased investments in regional health, education, and transportation and supports the development of advanced civilian infrastructures.
Strategic National Plan to Develop the Negev
Rippling economic impact

- Investment in civilian infrastructures to attract population growth
- Development of industry and hi-tech
- Influx of quality personnel and their families
- Investment in infrastructure and services to IDF bases
BGU Goals

Increase student enrollments

Create a thriving, inclusive learning community that encompasses military personnel, students and industry

Strengthen collaborations with innovative companies, the IDF’s technology units and regional authorities

Position the University as leading national and international center for innovative research
IDF redeployment in the Negev

IDF redeployment to the Negev: More than 30,000 soldiers involved

Telecommunications and Military Intelligence Directorate will move from 2020-2023

Joint challenge for IDF and BGU: Retention of human capital
IDF’s elite technology units relocating next to BGU
Comprehensive university

Interdisciplinary research and teaching

Faculty of Humanities and Social Sciences
Faculty of Natural Sciences
Faculty of Engineering Sciences
Faculty of Health Sciences
Guilford Glazer Faculty of Business and Management
Jacob Blaustein Institutes for Desert Research and Albert Katz International School for Desert Studies
Goldman Sonnenfeldt School of Sustainability and Climate Change
School of Brain sciences and Cognition
Program in Statistics and Data Analysis
Faculty of Natural Sciences

- Chemistry
- Computer Science
- Geological & Environmental Sciences
- Life Sciences
- Mathematics
- Physics

**Study Programs:**
- ‘Ashalim’ for outstanding students in natural sciences
- Bio-informatics
- Cybersecurity
- Data Sciences
- Marine Biology & Biotechnology
- Nanotechnology
- Psychobiology
- Software Engineering
Faculty of Humanities and Social Sciences

- African Studies
- Arabic Language & Culture
- Archaeology
- Arts
- Behavioral Sciences
- Bible Studies & the Ancient Near East
- Brain & Cognitive Sciences
- Communication Studies
- Conflict Management & Resolution
- Economics, Accountancy
- Education
- Foreign Literatures & Linguistics
- Gender Studies
- General History
- Geography & Environmental Development
- Hebrew Language
- Hebrew Literature
- Jewish History
- Jewish Thought
- Israel Studies
- Middle East Studies
- Multidisciplinary Studies
- Philosophy
- Politics & Government
- Psychology
- Social Work
- Sociology & Anthropology
- Science & Technology Education
- Statistics
Faculty of Engineering Sciences

- Materials Engineering
- Mechanical Engineering
- Nuclear Engineering
- Safety Engineering & Management
- Software & Information Systems Engineering
- Structural Engineering
- Biomedical Engineering
- Biotechnology Engineering
- Chemical Engineering
- Data Mining and Business Intelligence
- Energy Engineering
- Environmental Engineering
- Industrial Engineering & Management
- Communication Systems Engineering
- Photonics & Electro-Optics Engineering
- Electrical & Computer Engineering
Faculty of Health Sciences

Joyce and Irving Goldman Medical School
Medical School for International Health
Recanati School for Community Health Professions
  Emergency Medicine
  Nursing
  Physiotherapy
  Occupational Therapy*
School for Continuing Medical Education

School of Public Health
  Gerontology
  Epidemiology
  Public Health
  Health System Policy & Management

School of Bio-Medical Sciences
  School of Medical Laboratory Science
  School of Pharmacy
  Clinical Biochemistry & Pharmacology
  Microbiology, Immunology & Genetics
  Physiology & Cell Biology
Guilford Glazer Faculty of Business and Management

- Business Administration
- Health Systems Management
- Hotel and Tourism Management
- Management
- Public Policy and Administration
- Executive MBA Program
- Mandel Social Leadership MBA Program
- International MBA Program
Jacob Blaustein Institutes for Desert Research

- Albert Katz International School for Desert Studies
- Ben-Gurion National Solar Energy Center
- French Associates Institute for Agriculture & Biotechnology of Drylands
  - Dryland Biotechnologies
  - Dryland Agriculture
- Swiss Institute for Dryland Environmental & Energy Research
  - Desert Ecology
  - Solar Energy & Environmental Physics
- Zuckerberg Institute for Water Research
  - Desalination & Water Treatment
  - Environmental Hydrology & Microbiology
Goldman Sonnenfeldt School of Sustainability and Climate Change

Israel’s leading school for sustainability studies

Ben-Gurion University is situated at the heart of a desert area, where the need to find sustainable solutions to climate problems is existential.

Over the last five decades BGU’s best researchers have engaged in problem-based research to develop solutions to living in a resource-scarce desert environment, in a range of fields:
Student life & campus environment

The University is known for its lively campus life

Students create and shape an urban culture

They are socially involved and active in the community
Fulfilling the Vision: BGU Alumni make an impact

29% of alumni work in the Beer-Sheva vicinity
40%+ of ATP employees are BGU graduates
Thank You.