Ben-Gurion University of the Negev

Inspiration meets Excellence
Ben-Gurion University of the Negev is a multidisciplinary research university, leading excellence in research and teaching, scientific innovation, and interdisciplinary research. BGU impacts daily life, is committed to community and environmental involvement, and works to advance the development of the Negev, Israel and the world.

Inspiration meets Excellence: The Vision
One of the top three universities in Israel

- 20,000 Students
- 140,000 Alumni
- 930 Senior academic faculty, from a total of 6,700 staff members

30% of students are enrolled in graduate degree programs

3 Campuses
- Beer-Sheva
- Sde Boker
- Eilat
One university, embracing diversity

An international community including around 1,000 students from more than 70 countries
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
The Jacob Blaustein Institutes for Desert Research and the Albert Katz International School for Desert Studies

Around 30% of BGU students combine fields of study to gain a double or interdisciplinary degree
Research that makes a difference

Renewable energy
Nanotechnology
Quantum

BrainTech
Cancer
Cybersecurity

Space & Remote Sensing
Robustics
Hydrology

Stem cells
Water technology
Psychology
Faculty of Humanities and Social Sciences

Departments:
• African Studies
• Arabic Language & Culture
• Archaeology
• Arts
• Behavioural 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
Departments:
• Chemistry
• Computer Science
• Geological & Environmental Sciences
• Life Sciences
• Mathematics
• Physics

Study Programs:
• ‘Ashalim’ for outstanding students in natural sciences
• Data Sciences
• Software Engineering
• Bio-informatics
• Psychobiology (Biology – Psychology)
• Cybersecurity
• Marine Biology & Biotechnology
• Nanotechnology
Faculty of Engineering Sciences

Departments:
- 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

- School of Electrical & Computer Engineering
  - 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
- School for Continuing Medical Education
- School of Medical Laboratory Science
- School of Pharmacy
- School of Public Health
  - Gerontology
  - Epidemiology
  - Health Systems Management
  - Public Health
- Basic Sciences Division
  - Clinical Biochemistry & Pharmacology
  - Microbiology & Immunology
  - Physiology & Cell Biology
Guilford Glazer Faculty of Business and Management

Departments:
• Business Administration
• Health Systems Management
• Hotel & Tourism Management
• Management
• Public Policy & Administration

Programs:
• 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
BGU by numbers: Students by degree

Total: 19,357

- Bachelor's Degrees: 12,169 (63%)
- Master's Degrees: 4,292 (22%)
- Non-degree: 980, 5%
- Ph.D.: 1,331, 7%
- M.D.: 585, 3%
Graduates of the Faculty of Engineering Sciences comprise more than 30% of all new engineers in Israel each year.
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.

- **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
Leading innovation and entrepreneurship

#64 in the world in publications by Department of Software and Information Systems Engineering researchers (the only Israeli University in the top 100)

One of 100 leading institutions worldwide in the field of cybersecurity (based on publications)

One of 100 global leaders in patent registration in the US

One of the Top 50 universities in the world in producing entrepreneurs

One of 7 cities of the future: Beer-Sheva identified by Brandeis International Business School and T3 Advisors as an up and coming hub of technology and life sciences
Yazamut 360° Entrepreneurship Center

• A unique pre-accelerator and work space allowing students, alumni and faculty to develop technological and social initiatives.
• Dozens of initiatives already operating on site.

Cactus Capital

• A University VC fund totaling $1 million 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.
Green Campus:
Ranked 152 in the world
and #1 in Israel

BGU is committed to caring for the environment as part of the Green Campus initiative.

The University promotes a sustainability policy and operates programs for recycling, reducing use of resources, energy efficiency and environmental awareness, as well as extensive research, education and community activities.
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)
- National Autism Research Center
- 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
Ben-Gurion University is situated at the heart of a desert area, where the need in finding sustainable solutions to climate problems is existential.

Over the last five decades the best researchers at the University have been involved with problem-based research to develop sustainability in the desert, in a range of fields:

- Climate and climate change research
- Reduction in the use of pollutant sources
- Investigation of the influence of an increasingly hot environment on human health
- Development of alternative energies and cooling technologies
- Promotion of food security
- Research and development of solutions to the problems relating to water scarcity
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.
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
Leading companies chose to join the BGU Advanced Technologies Park (ATP)
The ATP generates economic and social change in the Negev.

- 2,500 employees, 82% live in the region
- Final target: 11,000 employees
- Total area of 500,000 m², with construction on around 175,000 m²
- Will include a hotel with 300 rooms and a 16,000 m² conference center
- Adjacent residential neighborhood
Fulfilling the Vision: BGU Alumni make an impact

29% of alumni work in the Beer-Sheva vicinity

40%+ of ATP employees are BGU graduates
BGU Alumni make an impact

Ronit Atad
CEO, Microsoft Israel

Avi Blasberger
Director General, Israel Space Agency

Colonel Dr. Tarif Badar
Surgeon General, Medical Corps, IDF

Ziv Aviram
Co-founder and CEO, Mobileye

Prof. Alon Chen
President, Weizmann Institute of Science

Dr. Efrat Baron-Harlev
Director, Beilinson Medical Center
Creating a powerful ecosystem – all within 2 km²
IDF move to the Negev: More than 30,000 soldiers involved in transfer

Telecommunications and Military Intelligence Directorate will move from 2020-2022

Joint challenge: Retention of human capital
North Campus

- 20 advanced lab and classroom buildings
- 230,000 m²
- Dorms for 1,100 students, including couples and families
- Conference center
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Thank You!