



אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev



**BEN-GURION
UNIVERSITY
OF THE NEGEV**







BEN-GURION UNIVERSITY OF THE NEGEV

Ben-Gurion University of the Negev (BGU) is an agent of change, fulfilling the vision of David Ben-Gurion, Israel's legendary first prime minister, who envisaged the future of Israel emerging from the Negev. A recognized national and global trailblazer in many fields, the University is known for its commitment to excellence in research and teaching, its commitment to the community, and for its dynamic atmosphere and vibrant student life.

Having just celebrated its 50th anniversary, BGU is looking ahead to our next 50 years with ambitious goals – to continue to grow, transforming the Negev, Israel, and the world through cutting-edge research, education and community action.

WHO ARE WE?

Ben-Gurion University is committed to using its excellence in research and education to drive development in the Negev, thereby bringing prosperity and growth to the entire country. The University takes an active role in promoting industry, agriculture, and education in the region in collaboration with multiple partners from government, military and industry.

3

major campuses in Beer-Sheva,
Sde Boker and Eilat



BEER-SHEVA



SDE BOKER



EILAT



930

senior academic faculty





6

faculties with 51
academic departments



20,000

students, including

over

6,000

graduate students



1,000

international students

from

50

countries



150,000

alumni



6,700

employees





A RESEARCH POWERHOUSE

An emphasis on research that can drive real world change has been part of the University's mandate from its inception. Unique collaborations and interdisciplinary degree programs are developing innovative approaches to solving problems and leading to singular advances across the sciences and the humanities.

Major Research Institutes

Jacob Blaustein Institutes for Desert Research:

French Associates
Institute for Agriculture
and Biotechnologies of
Drylands



Swiss Institute for
Dryland Environmental
and Energy Research



Zuckerberg Institute
for Water Research



Ben-Gurion Research Institute for the Study of Israel and Zionism



Heksherim - Research Center for Jewish and Israeli Culture and Literature



Homeland Security Institute



National Autism Research Center



National Institute for Biotechnology in the Negev (NIBN)



Ilse Katz Institute for Nanoscale Science and Technology



Ben-Gurion University is a research powerhouse, with state-of-the-art facilities, **research institutes of national and international stature, several affiliated hospitals, and over 60 interdisciplinary research centers and hubs**. Its researchers have significant impact in fields at the frontier of science and technology, such as cybersecurity, robotics, and precision medicine. The University is also a recognized leader in multiple fields, including Israel studies, biotechnology, agritech,

Hebrew literature, data sciences, tourism studies, chemistry, nanoscale science and technology, public health, and psychology.

In order to continue to produce cutting edge research and educate the next generation of leaders and problem solvers, the University is committed to recruiting outstanding faculty and students, nurturing them, and providing the best possible environment for transformative research.

HARNESSING THE DESERT TO BENEFIT THE WORLD



Strategically located in the heart of the Negev desert, BGU has a longstanding tradition of outstanding environmental research and an impressive track record of results. ***BGU research plays a key role in meeting the challenges of desertification and climate change – in the Negev, Israel and the world.***

Much of this work takes place at the **Jacob Blaustein Institutes for Desert Research** at BGU's Sde Boker Campus. Here, researchers and graduate students from around the world are developing strategies that address the most pressing concerns of the modern world: providing food, water, and energy in increasingly resource-scarce areas.

Additional cutting-edge climate change-related research takes place in departments and field sites across the University, including environmental engineering, earth sciences, geography and environmental development, and life sciences.

This work has made Israel one of the few countries in the world where the desert is receding, thanks to sustainable development of drylands and advances in desert agriculture. Likewise, water security has actually improved through water reclamation and desalination.

The knowledge and expertise developed at BGU is disseminated around the world through the **Albert Katz International School for Desert Studies**; a truly unique graduate school in Sde Boker, whose alumni go on to lead the battle for sustainable development of their home countries.

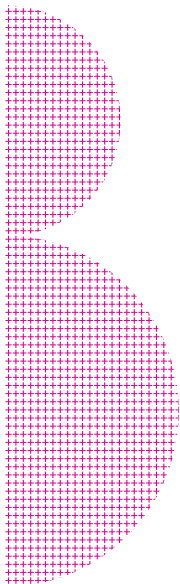
BGU is ranked the most sustainable university in Israel and one of the most sustainable universities in the world by "Green Metrics."



THE SCHOOL OF SUSTAINABILITY AND CLIMATE CHANGE

To take advantage of these well-established strengths and to better translate local approaches into global solutions, BGU is establishing a multidisciplinary school focused on the study of global climate change impacts. The new **School of Sustainability and Climate Change** brings together the knowledge and expertise of over 150 research labs and multiple research centers across BGU's three campuses, in order to generate impactful solutions to the most pressing needs of our era, with unique study programs to attract the brightest undergraduate and research students to tackle these critical issues.

The Green Campus Initiative, a University-wide organization spanning student groups, academic departments and operational divisions, is part of the new School, making sure that here at BGU, we implement novel solutions and practice what we preach.





EXCELLENCE IN EDUCATION

Making a better world begins with educating the next generation of leaders, innovators and members of our society and helping them realize their full potential. Ben-Gurion University of the Negev enhances and supports excellence and innovation in teaching to create a meaningful learning experience and equip our students with the skills they will need in this fast-changing world.

BGU supports the professional development of junior and senior academic staff and offers mentorship and training in integrating new methodologies and technological tools to create active learning experiences. Hackathons, contests, augmented reality, flipped classrooms, and much more are already part of the curriculum across our campuses.

The University now has nearly 100 classrooms equipped for hybrid (on-site and remote) learning, providing a

multitude of options for BGU's diverse student body. Our newest, state-of-the-art, classroom building houses the Field Family Foundation Medical Simulation Center where students from the Faculty of Health Sciences and beyond receive the country's most advanced professional skills training.

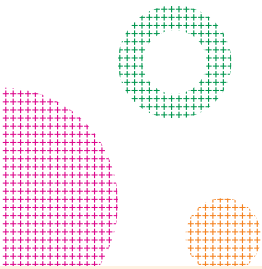
Expanding access to higher education to underrepresented populations and people with disabilities is critical to BGU's mission to help the next generation realize their potential. The University is committed to ensuring that they have the extra support they need to succeed – from mentorship, scholarships, and retention programs to job placement assistance – creating role models for their communities, driving development across the region, and enriching society as a whole.

YAZAMUT 360°

Recognizing the importance of entrepreneurship and innovation for growth, BGU is committed to providing students, researchers, and alumni with the tools to take initiative, invent, and succeed in today's world.

The Yazamut 360° initiative takes entrepreneurship and innovation to a whole new level, by facilitating the overall expansion of the southern entrepreneurship ecosystem.

This University-wide interdisciplinary center, which will be housed in the Drahi Innovation and Entrepreneurship Building, guides and supports entrepreneurship activities at BGU and beyond through innovative programs such as accelerators, venture capital funds, training workshops and collaborations. Universities from around the world now turn to BGU to learn how to teach innovation.



THE BGU INNOVATION ECOSYSTEM

BGU actively seeks collaborations and partnerships with government and industry to apply cutting-edge fundamental research in advancing use-inspired research. As a result, *BGU is at the heart of an innovation ecosystem responsible for Beer-Sheva's transformation into a thriving hi-tech center*, where leading multinational corporations, incubators, and startups leverage the expertise of BGU researchers and students to generate innovative R&D.

The Advanced Technologies Park (ATP) adjacent to the Marcus Family Campus, established in 2013, is a catalyst for this ecosystem. In just a few years the ATP, a joint initiative of the University and the Beer-Sheva municipality, has become Beer-Sheva's hi-tech center, and it is expected to expand as the IDF completes the relocation of its advanced technology units to an adjoining campus.


Soroka University Medical Center, across the road from BGU, is Israel's second largest hospital, serving over a million residents of the south. As an affiliated institution, it is a crucial clinical training site for BGU's Faculty of Health Sciences, where teaching and groundbreaking collaborative research support innovations in many critical areas of healthcare, from precision medicine to physiotherapy, nutrition, community health and more.

The Beer-Sheva Innovation District, in the areas surrounding the University and Soroka University Medical Center, will take advantage of the potential of the BGU ecosystem for even more growth by creating the physical spaces for interactions and exchanges, and will facilitate investments in initiatives in areas of established strengths, such as digital health, desert tech and cybersecurity.





📍
North Campus



🔥
NORTH CAMPUS

📍
Advanced Technologies Park



🔥
ADVANCED TECHNOLOGIES PARK

🔥
MARCUS FAMILY CAMPUS

🔥
SPORTS CENTER

🔥
UNIVERSITY TRAIN STATION

🔥
ISRAEL DEFENSE FORCE'S DIGITAL C4i CAMPUS

🔥
BEER-SHEVA INNOVATION DISTRICT

🔥
FACULTY OF HEALTH SCIENCES

🔥
DORMITORIES

🔥
SOROKA UNIVERSITY MEDICAL CENTER

BGN TECHNOLOGIES, LTD.

BGN Technologies is the University's technology transfer company. Located in the ATP, BGN is the driving force behind industry-academia collaborations. With a track-record of over 100 startup companies, as well as partnerships in technology incubators and accelerators, BGN brings inventions from the labs to the market.



THE ATP

Unique academia-industry-government partnership

Around **70**

global tech corporations' R&D centers, incubators, startups and more

Over **3,000**

employees

40% of

employees are BGU graduates





THE IDF MOVE TO THE NEGEV

The Israel Defense Forces (IDF) is in the midst of relocating some 35,000 personnel to the Negev, including elite technology and intelligence units, training bases and more. Its most advanced hi-tech (C4i) campus is set to open in 2023, next door to BGU's ATP and the Marcus Family Campus.

The IDF's move south is aimed to take advantage of BGU's expertise in areas such as cybersecurity. Indeed, BGU and the IDF have a long and fruitful history of collaboration: Most notably, all pilots at the Israeli Air Force Academy complete a tailor-made bachelor's degree program at BGU.

The University anticipates that many of the elite soldiers involved in the IDF's move to the south (as well as their family members) will enroll at BGU, boosting annual student numbers by some 4,000, especially in the fields of engineering and computer science.

We are preparing for this growth in enrollment with additional specialized programs and physical expansion.



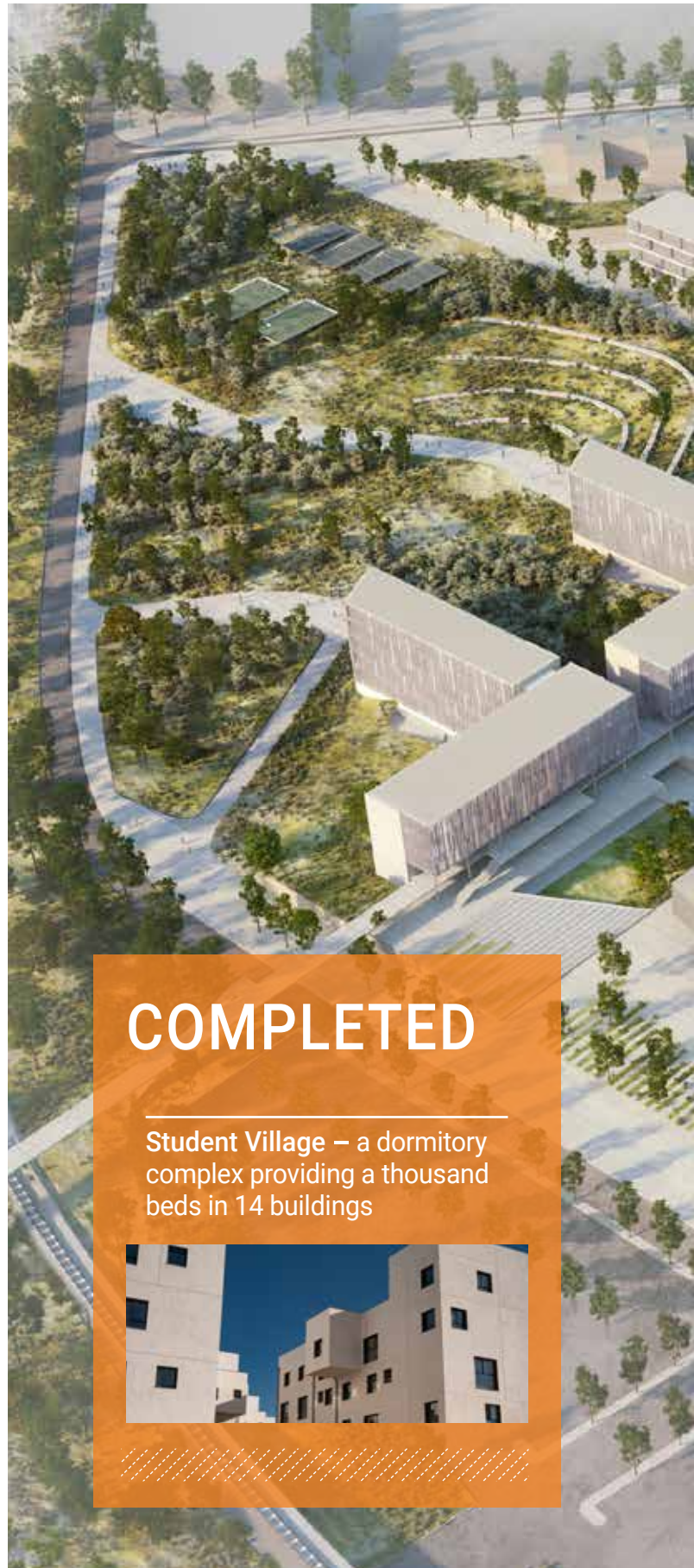
LOOKING TO THE FUTURE: NORTH CAMPUS



The North Campus will double the University's footprint in Beer-Sheva, and enable its continued growth.



After fifty years of remarkable growth, the University's main campus in Beer-Sheva, the Marcus Family Campus, is bursting at the seams. The 300 dunam (30 hectare) North Campus, adjacent to the Marcus Family Campus and the ATP, will allow BGU to continue growing to accommodate increasing enrollments in the wake of the IDF's move south and build the advanced facilities to match its ambitious research programs in fields such as quantum science, robotics, computer science and civil engineering. *With its new North Campus, BGU will be ready for the next fifty years of its story.*



COMPLETED

Student Village – a dormitory complex providing a thousand beds in 14 buildings





UNDER CONSTRUCTION / IN PLANNING:

Civil and environmental engineering building

Computer sciences building

Diane and Guilford Glazer Institute for Homeland Security Building

Guzik Cultural Center – a venue for large international conferences and cultural events

Classroom building

Drahi Innovation and Entrepreneurship Building



ENGAGEMENT AND OUTREACH

Engagement with the surrounding communities has been a core value of Ben-Gurion University since its inception, and BGU's student body plays a crucial role in these outreach efforts. In exchange for scholarships, BGU students contribute to a range of pre-academic and continuing education programs that make learning accessible to greater numbers of Negev residents, young and old. Much of this activity is coordinated by the **Community Action Department**, one of the world's most advanced outreach programs. Students in its flagship program, the **Lillian and Larry Goodman Open Apartments Program**, live in the heart of Beer-Sheva's older neighborhoods, engaging in community organizing and serving as role models for children and youth.

BGU offers multiple degree programs aimed at training the next generation of social leaders and activists. It is home to the **Jack, Joseph and Morton Mandel Institute for Social Leadership** and the "**Rothschild Cube**," a unique interactive hub for social entrepreneurship, provides social entrepreneurs from across the country with training and networking opportunities to make their initiatives a success.

The state-of-the-art **Jusidman Science Center for Youth** provides children and youth in the Negev with a doorway to exact and social sciences, expanding opportunities and paving the way to academia.



Over a third of BGU students are involved in community outreach projects in:

Education: Youth, adults,
prisoners, immigrants



Health and health education



Environment and sustainability



Special needs



Social justice



Community development





INCLUSION AND DIVERSITY

BGU is proud to be an active partner in the "Israeli Hope" national initiative launched by President of Israel Reuven Rivlin, which aims to increase inclusiveness and mutual understanding within Israeli society. We strive to make the BGU community more diverse by bringing in more students from under-represented groups, creating a more inclusive campus, and by extension, a more just society with equal opportunities for all.





www.bgu.ac.il