



Graphic Era
Deemed to be University
DEHRADUN

APPLY NOW



DEPARTMENT OF BIOSCIENCES

Programs Offered —

- * B.Sc. (Hons) Biotechnology
- * B.Sc. (Hons) Forensic Science
- * M.Sc. Biotechnology
- * M.Sc. Bioinformatics
- * M.Sc. Forensic Science
- * Ph.D.

BROCHURE 2026-27

About the University

A Legacy of Excellence

Founded by Prof. (Dr.) Kamal Ghanshala with a vision to transform youth through quality education, Graphic Era began its journey in 1993 and evolved into Graphic Era Institute of Technology (GEIT) in 1997. In 2008, it was granted Deemed to be University status by the Government of India.

Today, Graphic Era stands as a NAAC 'A+' accredited university, ranked 52nd in Engineering, 52nd in Management, and 48th in the University Category by NIRF, Ministry of Education. With 6 NBA-accredited programs, the university fosters an industry-academia partnership through collaborations with Tata Technologies and IBM and hosts a DST-sponsored Technology Business Incubator for startups.

With global academic partnerships and student exchange programs across US, Europe, Australia, and Asia, Graphic Era provides a world-class learning experience. Its alumni shine at Apple, Google, Microsoft, HSBC, TCS, Wipro, Infosys, and the Indian Armed Forces, shaping the future with innovation and excellence.

Be a part of this legacy!



Welcome to the Department of Biosciences

The Department of Biosciences offers comprehensive academic programs in Biotechnology, Forensic Science, and Bioinformatics, designed to equip students with cutting-edge knowledge, research acumen, and practical expertise. With its B.Sc. and M.Sc. programs running in the Department of Biotechnology since 2009, the Biosciences department was created to foster bachelors and masters programs as per the New Education Policy guidelines. The Department continues to strive with all its programs laying strong emphasis on interdisciplinary learning, hands-on experience, and field trainings, to prepare the students for careers in research, industry, data analytics, healthcare, and forensic investigations.

Our Department

Vision

The Department of Biosciences working at the cutting edge of scientific research and providing the highest level of mentorship, envisions educating students for their holistic development and preparing them for academics, research and industries.

Mission

M1: Regular updating of course curriculum as per the demand of industry and academia.

M2: Maintain a high standard of education using innovative pedagogy and prepare competent, ethically engaged professionals ready for academia, research and industry.

M3: Provide an inspiring and inclusive learning environment that fosters curiosity, critical thinking, and problem-solving skills.

Key Facts & Achievements

RANKINGS

#48 University Category

#52 Engineering Category

#52 Management Category



Source: **NIRF 2025 Ranking**
Ministry of Education,
Govt. of India

#02 in India for Research Quality

#03 in India for Engineering

#04 in India for Life Sciences

#04 in India for Business & Economics

#16 in India for Computer Science

#645

World University Ranking



World University Rankings 2026

#41 Sustainability Rank in India

#138 Southern Asia 2026

Diamond

I-Gauge Rating



WORLD UNIVERSITY RANKINGS

ACCREDITATIONS

NAAC A+

Grade Accredited



Source: National Assessment & Accreditation Council (NAAC)

UGC, AICTE, BCI, NMC, INC

Programs approved by University Grants Commission (**UGC**), All India Council for Technical Education (**AICTE**), Bar Council of India (**BCI**), National Medical Commission (**NMC**), and Indian Nursing Council (**INC**)



06 NBA

Courses Accredited

The only University in the region to have **B.Tech (CSE, ECE, ME, CE, Biotechnology) and MBA** accredited by NBA



Source: National Board of Accreditation (**NBA**)

STARTUPS

₹500+ Cr Valuation of Startup's

100+ Incubated Startups

90+ Startups Recognised

8000+ Beneficiaries in 2025

1000+ Interns Enrolled

ACADEMIC SNAPSHOT

900+ Distinguished Faculty Members

14K+ Students

22 Departments (8 Engineering & 14 Non-Engineering)

100+ Programmes

RESEARCH & INNOVATION

Top 2%

34 faculty members of Graphic Era University included in Stanford-Elsevier-list.

₹2648.99 Lac

Research Project Funding from leading government agencies including DST, DBT, SERB, CSIR, UCOST, MoEF&CC and ISRO.

₹3472.17 Lac

Consultancy Project Funding

15500+

Research Publications

240+

Patents Granted

2100+

Patents Published

Courses Offered

Under Graduate Courses

B.Sc. (Hons.) Biotechnology

Eligibility — All interested candidates should have passed Class XII from a recognized board of examination with PCB/ PCM

B.Sc. (Hons.) Forensic Science

Post Graduate Courses

M.Sc. Biotechnology

Eligibility — Bachelor's degree in science with specialization in any biological sciences.

M.Sc. Bioinformatics

Eligibility — Bachelor's degree in any relevant area of Mathematics/Physics / Chemistry / Computers Science/Life Science/Medicine.

M.Sc. Forensic Science

Eligibility — Bachelor's degree in any relevant area of Science/ Forensic Science/ Medicine/ Engineering/ Pharmacy/ Dentistry.

Doctorate Program

Ph.D.

Eligibility — Masters degree in any relevant area of Science/ Biotechnology/ Forensic Sciences/ Bioinformatics.

Career Paths

🌟 **Academic Pathway:** M.Sc. → Ph.D. → Post-doctoral research

🌟 **Biotech & Bioinformatics Careers:** Bioprocess Engineer • Research Scientist • Bioinformatics Analyst

🌟 **Forensic Science Careers:** Forensic Scientist/Analyst • Crime Scene Investigator • Toxicologist • Fingerprint & Document Expert

🌟 **Industries to explore:** Pharma & Healthcare • Agriculture & Environment • Biotech & Bioprocessing

🌟 **Other Opportunities:** Science Communication & IP • Sales & Marketing • R&D, Startups, and Consulting

Faculty Research, Awards and Achievements

The Department of Biosciences has a strong research profile, reflected in numerous SCI/Scopus-indexed publications and patents by faculty and students. Faculty members also secure research grants from major State and National agencies such as MoEFCC, Government of India; UCOST; UCB; and the Uttarakhand Biodiversity Board, creating a highly supportive, research-driven environment.



1. Prof. (Dr.) Manu Pant received the Young Scientist Award from Hon'ble Governor of Uttarakhand Lt. Gen. Gurmit Singh, PVSM, UYSM, AVSM, VSM (Retd) at the 4th Women Scientist Conclave, USERC, Govt. of Uttarakhand.
2. Prof. V.P. Uniyal is a regular invited speaker at prestigious international conferences and training programs.
3. Dr. Tanvir Kaur received the Young Women Researcher Award in the 10th Venus International Women Awards, Chennai, Tamil Nadu.
4. Dr. Durgesh Jaiswal has been selected as Applied Microbiology International Global Ambassador for India and ASM-Future Leaders Mentorship Fellowship (FLMF).
5. Dr. Shivangi Chamoli was invited as an expert speaker in the 5th Biotechnology Conclave "International Conference on Harnessing Biotechnology for a Sustainable Bio-E3 Future" (19-21 Nov 2025) organized by Uttarakhand Council of Biotechnology at Regional Center, UCB Pathwadangarh, Nainital.
6. Prof. Kumud Pant was selected for a national-level program at BIOCON, Bengaluru.

BE INSPIRED

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Meet the Global Ambassadors: our Q&A with Durgesh Kumar Jaiswal

BY LINDA STEWART

The Microbiologist gets to know our Global Ambassador for India, Dr. Durgesh Kumar Jaiswal, who is Assistant Professor at the Department of Biosciences, Graphic Era University, Dehradun, specializing in microbial biotechnology and sustainable agriculture.



Meet Our Experts

| Name | Designation | Qualification | Area of Expertise |
|---------------------------|---------------------|-------------------|--|
| Dr. Manu Pant | Professor | Ph.D., M.Sc. | Plant Biotechnology |
| Dr. V.P. Uniyal | Professor | Ph.D., M.Sc. | Biodiversity assessment, Ecological monitoring, Invertebrate ecology |
| Dr. Kumud Pant | Professor | Ph.D., M.Sc. | Bioinformatics and Computational Biology |
| Dr. Shivangi Chamoli | Associate Professor | Ph.D., M.Sc. | Biochemistry |
| Dr. Sudheesh Kumar Shukla | Associate Professor | PDF, Ph.D., M.Sc. | Nano Bioscience |
| Dr. Neha Pandey | Assistant Professor | Ph.D., M.Sc. | Microbial Biodiversity |
| Dr. D.P. Singh | Assistant Professor | Ph.D., M.Sc. | Molecular Biology |
| Dr. Vishal Tripathi | Assistant Professor | PDF, Ph.D., M.Sc. | Environmental Biotechnology |
| Dr. Durgesh Kumar Jaiswal | Assistant Professor | PDF, Ph.D., M.Sc. | Agro-microbial Biotechnology and Sustainable agriculture |
| Dr. Ashish Gaur | Assistant Professor | Ph.D., M.Sc. | Artificial intelligence in biological sciences |
| Dr. Sachin Sharma | Assistant Professor | PDF, Ph.D., M.Sc. | Animal Biotechnology |
| Dr. Tanvir Kaur | Assistant Professor | Ph.D., M.Sc. | Microbiology |
| Dr. Nitin Pandey | Assistant Professor | Ph.D., M.Sc. | Forensic Sciences |
| Dr. Arkadeep Mukherjee | Assistant Professor | PDF, Ph.D., M.Sc. | Environmental Biotechnology |
| Dr. Manisha Aswal | Assistant Professor | Ph.D., M.Sc. | Bioinformatics |
| Ms. Kiran Bisht | Assistant Professor | Ph.D., M.Sc. | Forensic Science |

A team of more esteemed faculties and industry experts contributing towards academic excellence, bringing a wealth of knowledge and experience.

The department's strength lies in its highly qualified and research-driven faculty, each an expert in their field with extensive academic and laboratory experience. Spanning areas such as Biotechnology, Microbiology, Biochemistry, and Molecular Biology, they deliver a rigorous and industry-aligned curriculum. Adopting contemporary scientific advancements, the department focuses on experiential learning through hands-on laboratory training, research projects, field studies, and industry collaborations, equipping students with the skills to innovate and excel in today's rapidly evolving biosciences landscape.

Events and Activities

The Department promotes experimental learning through active participation in national and international events such as conferences, seminars, hands-on training and educational visits.



1. Field activities and awareness programs by biomonitoring group
2. Educational visit to national research institutes
3. Moot court training for B.Sc. Forensic Science students
4. Crime scene investigation and evidence collection by the students of Forensic Science
5. Awareness program-cum-training for women on orchid cultivation in Uttarakhand
6. Diabetes Awareness program-cum-health camp on Diabetes Day
7. Invited talks on cutting-edge research and technological interventions in biological sciences
8. Community outreach program by the students of B.Sc. (Hons) Biotechnology, Forensic Science, and faculty members of the Department of Bioscience



Student Opportunities and Placement



Harshita Mehrotra



AIIMS,
New Delhi



Bhawna Aithani



Mankind
Serving Life



Noor Ashraf



Biocon



Mayank Chaurasia



WebMD



Manisha Chauhan



MICRO CRISPR
REDEFINING LIFE



Adarsh Kumar



VED LIFESAVERS (P) LTD.



Mahi Yadav



LifeCell



Pranay Kukreti



UNIVERSITÄT BONN



Vedanshi Pal



GOETHE
UNIVERSITÄT
FRANKFURT AM MAIN



Sania Bhandari



Vivnovation



Pragati Rana



SIGNICENT



Anshuman Rawat



SIGNICENT

Our Esteemed Alumni

Success Stories and Contributions



Arundhati Singh
B.Sc. (H) Biotech. 2020 Batch
Pursuing Ph.D.,
Curtin University, Australia

Graphic Era provided not only a strong academic foundation but also an enriching environment that fostered critical thinking and scientific curiosity, paving the way for my future in research. The experiences and mentorship I received there continue to influence my journey as a researcher.



Nancy Dhyani
B.Sc. (H) Biotech. 2021 Batch
Pursuing Ph.D.,
Technical University of Munich

Graphic Era University laid the foundation for my scientific journey. Studying biotechnology there introduced me to research, and the support & mentorship from professors greatly strengthened my confidence and truly inspired me to pursue research as a career. GEU is my proud alma mater.



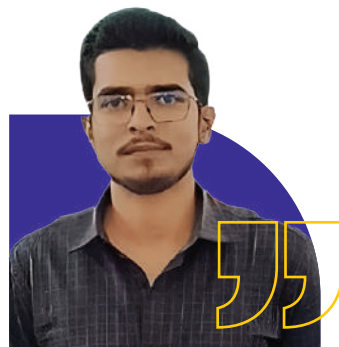
Lakshika Bhandari
M.Sc. Biotech. 2021 Batch
Pursuing Ph.D.,
ICT, Mumbai

I completed my Master's in Biotechnology from Graphic Era University and am deeply grateful to the Department of Biosciences faculty and staff for their strong academic and research support. Their mentorship helped me earn the Gold Medal, and the research exposure further shaped growth.



Swarnika Chaddha
B.Sc. (H) Biotech. 2023 Batch
Pursuing Masters, Martin Luther
University Halle-Wittenberg

I am grateful to Graphic Era University for shaping my academic and professional journey. The university nurtured my curiosity, strengthened my foundation in biotechnology, and gave me confidence to pursue my goals. The lessons and faculty support were vital to my growth.



Abhijit Rathore
M.Sc. Biotech. 2024 Batch
Administrative & Development
Officer, Agri Joy Pvt. Ltd.

Graphic Era played a crucial role in shaping my career and helping me secure a job at Agri Joy Pvt Ltd. The biotechnology foundation, faculty support, hands-on learning, and industry exposure equipped me with essential skills and prepared me for real-world challenges.



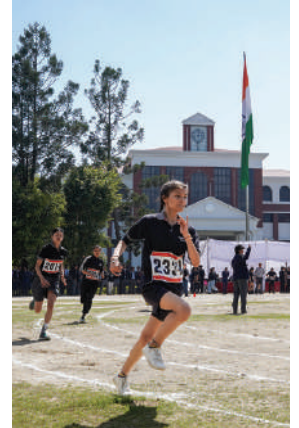
Anjali Negi
M.Sc. Biotech. 2023 Batch
Regulatory Officer,
Ingredion Incorporated

My profound thanks to Graphic Era University for equipping my skills in biotech. The MSc Biotechnology program, strong foundation, practical exposure, and supportive faculty helped me develop analytical skills, regulatory understanding, and the confidence essential for professional growth.



Beyond Classrooms

Where Every Event Tells a Story



Career Counselling Services

The Department of Biosciences equips students with the guidance, skills, and opportunities needed for career success. Our Career Counseling and Professional Development Services prepare them for every stage of their professional journey.

Domain-Specific Mentorship

We have dedicated Chair Heads for Marketing, Finance, and Human Resources, providing students with:

- Expert Mentorship
- Counseling Support

Professional Development Program (PDP)

Placement Support

Our Placement Department plays a vital role in shaping students' careers by providing:

- Support for Summer Internships (SIP) and Final Placements
- Internship Guidance

Alumni Mentorship

Graphic Era Common Entrance Test (GECET)

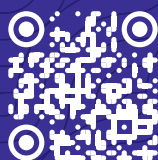
Scholarship upto

₹100  Cr

Unlock up to 100% scholarships with GECET – Graphic Era Common Entrance Test.

Secure your admission & financial support for a brighter future!

Apply Now – gecet.geu.ac.in



Scholarships & Support Benefits

- Upto **100%** Scholarship based on 12th or UG marks
- Upto **100%** Merit-based Sports Scholarship
- 10%** Scholarship to the Girl Candidates
- 10%** Alumni Loyalty Scholarship
- 10%** Scholarship for Parentless Child
- 7.5%** Current Sibling Student Scholarship
- 05%** Passed out Sibling Student Scholarship
- 05%** Scholarship to the children of Defense Personnel
- 05%** Single Parent Scholarship
- 05%** Yearly Payment of Fees
- All students are covered under a comprehensive health insurance plan.
- Medical services are provided through the state-of-the-art Graphic Era Hospital.
- Student loan facilities are available to support financial needs.

Student Facilities & Engagement



Well-equipped and comfortable hostel facilities



Efficient transportation services



Extensive sports facilities



Free student uniform



Vibrant student clubs and extracurricular activities



Multiple hygienic and student-friendly cafeterias



Green, eco-friendly campus environment



ICT-enabled smart classrooms



Graphic Era

Deemed to be University
DEHRADUN

GET IN TOUCH

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