



PACIFIC COLLEGE OF BASIC AND APPLIED SCIENCES



SCHOLARSHIP AVAILABLE

FOR OBC/SC/ST &
MINORITY CANDIDATES THROUGH
VARIOUS GOVT. SCHEMES



PACIFIC ACADEMY OF
HIGHER EDUCATION AND
RESEARCH UNIVERSITY, UDAIPUR
UGC APPROVED

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www.pacificscience.ac.in

ABOUT PAHER UNIVERSITY

Pacific Academy of Higher Education and Research University is a prestigious institution that encompasses a variety of specialized colleges, including those in Science, Engineering, Dentistry, Pharmacy, Commerce & Management, Hotel Management, Education, Media and Mass Communication, and Fashion Technology, Physical education, Polytechnic, Law, Yoga, Arts, Fine arts, Library Science, Fashion Design, Computer Science, Dairy & Food Technology. Each college remains aligned with PAHER University's core values and vision while standing as a beacon of excellence in its field. The university prides itself on providing state-of-the-art infrastructure and dedicated faculty members who collaborate to enrich the academic and professional journeys of students.

The Pacific campus, spread over 50 acres of lush greenery, is located just 9 km from Udaipur, the City of Lakes. Surrounded by the scenic Aravali Hills, the campus is equipped with modern amenities, including state-of-the-art classrooms, laboratories, and libraries. The serene and tranquil environment promotes an ideal learning atmosphere.

For accommodation, PAHER University provides separate hostels for both boys and girls, offering comfortable living spaces and clean, well-maintained amenities for undergraduate and postgraduate students. The campus is well-connected with transportation services that ensure easy accessibility from all corners of the city. To foster a well-rounded college experience, PAHER University also features sports ground, canteen, and student club rooms, creating a vibrant atmosphere for extracurricular activities, which are integral to the university's holistic approach to education.



NEP 2020 POLICY

"The undergraduate degree will be of either 3 or 4 year duration, with multiple exit options within this period, with appropriate certifications, e.g., a certificate after 1 year in a discipline of field including vocational and professional areas, or a diploma after 2 years of study, or a bachelor's degree after a 3 year programme. The 4 year multidisciplinary Bachelor's programme, however, shall be the preferred option since it allows the opportunity to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per the choices of the student."

COMMENCEMENT OF PACIFIC COLLEGE OF BASICS AND APPLIED SCIENCES

The PCBAS began its journey in 2011, marking a significant milestone in the field of higher education in science. The college was established with the aim of providing quality education and fostering research in basic and applied sciences. From the very beginning, the institution set itself apart by focusing on both advanced education and ground-breaking scientific research.

In 2011, the college introduced its Master of Science (M.Sc.) programs, designed to cater to students who had completed their undergraduate studies and were eager to deepen their knowledge and expertise in various scientific fields. The M.Sc. programs offered by the college were meticulously crafted to provide students with the necessary skills to pursue careers in academia, research, and industry. The focus was not only on theoretical understanding but also on practical applications of scientific concepts. State-of-the-art laboratories, highly qualified faculty members, and a robust research framework enabled students to engage in cutting-edge scientific research.

Along with the M.Sc. programs, the college also began offering Ph.D. programs in 2011, encouraging students to take part in advanced research in various scientific domains. The addition of research opportunities at the doctoral level allowed students to contribute significantly to the scientific community. The college's research facilities were equipped with the latest tools and technologies, ensuring that Ph.D. candidates could pursue ground-breaking research and make substantial contributions to their respective fields.

Two years later, in 2013, the college expanded its academic offerings by launching its Bachelor of Science (B.Sc.) programs. This was a major step in strengthening the institution's academic framework. The B.Sc. programs provided students with a strong foundation in scientific principles, preparing them for either advanced studies or professional careers in science. The B.Sc. programs focused on critical thinking, problem-solving, and practical laboratory work, ensuring that students graduated with the skills required thriving in today's rapidly evolving scientific world.

From its inception, the Pacific College of Basics and Applied Sciences was committed to ensuring that its students received not only the best in education but also exposure to practical and real-world applications of science. As the college grew, so did its reputation for excellence in both teaching and research. The M.Sc. and Ph.D. programs became increasingly popular, attracting students from across the country and beyond. The B.Sc. programs also gained recognition for their comprehensive curriculum and focus on foundational scientific knowledge.



WELCOME

Pacific College of Basic and Applied Sciences, where curiosity meets innovation and learning transforms lives. We are delighted to introduce you to our vibrant academic community—places where students are encouraged to explore, discover, and grow. At Pacific College, we are committed to academic excellence, hands-on learning, and holistic development. Our dedicated faculty, state-of-the-art facilities, and student-cantered approach ensure that every learner is empowered to reach their full potential.

Whether you're stepping into the world of basic sciences or diving deep into applied fields, your journey here will be marked by knowledge, opportunity, and success.

MESSAGE

Prof. Dilendra Hiran
Faculty Chairman, Science & Technology
PAHER University



On behalf of Pacific College of Basic and Applied Sciences (PCBAS), Udaipur, Rajasthan, I am delighted to welcome you to our campus. For over five years, our institute has been dedicated to upholding strong values and we continuously strive to maintain our high standards. Our curriculum offers a balanced blend of theoretical knowledge and practical experience, with a strong emphasis on industrial applications. Our PCBAS graduates are known for their eagerness to learn, grow, and excel in various extracurricular activities, transcending departmental boundaries. We are committed to providing all necessary resources for your recruitment process on our campus. I am confident that our students will meet your expectations with diligence. We look forward to a lasting and supportive relationship with you.

MESSAGE

Prof. Rameshwar Ameta
Dean, Faculty of Science,
Pacific University, Udaipur



As a leader in science education, we are committed to creating an intellectually stimulating environment that fosters the development of future scientists and leaders. We continually update our curriculum to encompass the expanding scope of science. Our college equips students with both the skills for critical thinking and practical demonstrations to reinforce their ideas. We recognize that students often experience a gap between their academic training and real-world application. To bridge this gap, we are developing partnerships between the university and industry, which will help students transition smoothly into professional environments. We also believe that the most valuable learning experiences often occur outside the classroom. Our students have numerous opportunities for enrichment through seminars, research, exchange programs, industrial visits, and conferences. The ability to express ideas effectively, whether in writing or orally is essential for a science student's growth. Our institute is dedicated to fostering these skills in aspiring scientists. Through these hands-on experiences, we aim to prepare students to tackle real-world challenges, devise innovative solutions, and contribute meaningfully to a rapidly evolving world.

MISSION

The mission of Pacific College of Basics and Applied Sciences is to provide a transformative educational experience that blends core scientific knowledge with real-world applications. We are committed to fostering a learning environment that encourages critical thinking, innovation, and practical problem-solving skills. Our goal is to equip students with the tools necessary to succeed in a rapidly evolving world, where science and technology continue to drive societal progress.

We strive to cultivate a deep understanding of the fundamental principles of science, while also emphasizing the importance of hands-on experiences and practical learning. By offering a diverse range of programs, we aim to prepare students for a variety of careers in both traditional and emerging fields within the sciences.

Pacific College of Basics and Applied Sciences also emphasize the importance of lifelong learning. We provide our students with a strong foundation that will serve them throughout their careers, enabling them to adapt to the ever-changing demands of the global job market. We are dedicated to advancing knowledge, empowering students, and contributing to the growth of scientific and technological innovations that benefit humanity.

VISION

The vision of Pacific College of Basics and Applied Sciences is to be a leading institution that nurtures the next generation of scientific thinkers, innovators, and leaders. We aspire to create a world-class educational environment that integrates rigorous academic programs with cutting-edge research and practical applications. Our vision is to become a center of excellence in the fields of basic and applied sciences, where students are prepared to tackle the challenges of the future with creativity and integrity.

Our vision includes providing students with access to the latest technologies, research opportunities, and real-world experiences to ensure their readiness for a rapidly changing global landscape. We seek to collaborate with industry leaders, research institutions, and global organizations to ensure that our students gain invaluable insights into the practical applications of their studies. By embracing diversity in all its forms, we seek to cultivate well-rounded, adaptable individuals who can succeed in a globalized, interconnected world. Our ultimate vision is to empower students to lead impactful careers, drive advancements in science and technology, and make meaningful contributions to their communities and the world at large.



MAJOR HIGHLIGHTS OF THE COURSES

- **Expert Faculty:** Our distinguished faculty members are experts in their fields, dedicated to nurturing the next generation of scientists and scholars.
- **State-of-the-Art Facilities:** Explore our cutting-edge laboratories, equipped with the latest technology and resources to support hands-on learning and experimentation.
- **Research Opportunities:** Engage in groundbreaking research projects alongside faculty mentors, contributing to advancements in various scientific disciplines.
- **Interdisciplinary Approach:** Our curriculum fosters interdisciplinary collaboration, encouraging students to explore connections between different branches of science and apply knowledge to real-world problems.
- **Student Support:** From academic advising to career counselling, we provide comprehensive support services to help students thrive academically and professionally.
- **NEP 2020:** We offer courses according to NEP 2020.
- **Community Engagement:** Through service-learning projects, internships, and outreach initiatives, our students have the opportunity to apply their scientific knowledge and skills to address real world challenges and make a positive impact on society.
- **Career Development:** Science Department offers comprehensive career development resources to help you achieve your goals.

COURSES OFFERED

S. No.	Courses Offered	Duration	Eligibility
1.	B.Sc. / B.Sc. Hons. (Math's Group) • Physics, Chemistry, Mathematics • Physics, Computer Science, Mathematics	3/4 Yrs	10+2 (Science)
2.	B.Sc. / B.Sc. Hons. (Bio Group) (Chemistry, Zoology, Botany)	3/4 Yrs	10+2 (Science)
3.	B.Sc. / B.Sc. Hons. (AI & Applied Data Science)	3/4 Yrs	10+2 (Science)
4.	M.Sc. •Physics •Chemistry (Organic, Industrial, Inorganic, Analytical) •Mathematics •Life Science (Botany, Zoology)	2 Yrs	B.Sc. in Respective Stream

TRAINING & JOB OPPORTUNITIES

The primary objective of the Placement Cell is to bridge the gap between prospective employers and our students.

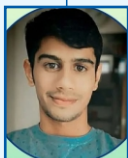
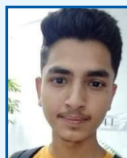
- ❖ Engaging with industry leaders in the field of science and technology.
- ❖ Maintaining a comprehensive database (DG Locker) of student profiles.
- ❖ Preparing students for campus interviews through presentations, workshops, and counselling sessions.
- ❖ Organizing industrial visits, workshops, seminars, and guest lectures by eminent professionals from the industry to enhance the students' knowledge and exposure.

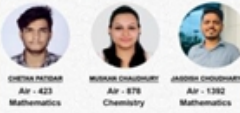
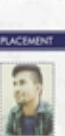
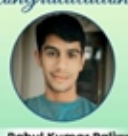


PLACEMENTS

Campus Placements play a vital role in the professional growth and stability of students. It helps in determining the career path of a student towards a successful professional life. However, with vast competition, market demands, and dynamic requirements; companies find it difficult to select and recruit the candidate with the right talent, skill, and qualification in the required industry. With this growing competition and market scenario, placement of the students becomes the main focus of Pacific College of Basic and Applied Sciences. The college aims to facilitate the students gaining necessary skills and knowledge which will enable the students to get employment. We strive to bridge the gap between student's capabilities and industrial requirements and aim towards making them job-ready. We aim to provide effective, result oriented and dynamic environment that prepares our students towards job readiness and market acceptance. With specially designed teaching methodologies and universally accepted techniques, Pacific College of Basic and Applied Sciences aims to provide the best atmosphere to drive the best placements.

PLACEMENT

  Rajesh Singh Panwar			  Bhanwar Singh			  Kunal Singh			  Mahesh K. Rajpurohit			  Harshad Purohit			  Yashwant Panchariya			  Purushottam Ghanchi			  Arjun Dev Sharma			  Kunal Singh																																																																	
  Chetan Patidar										  Muskan Chaudhury										  Jagdish Choudhary										  Rahul K. Paliwal										  Lokesh Singh										  Mahesh K. Chaturvedi										  Pankaj Soni										  Ravindra S. Kushwah										  Bhavdeep Balai									

 Pacific College of Basic & Applied Sciences  Rahul Paliwal Hearst congratulations to our student for Clearing the UPSC Interview Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 PACIFIC COLLEGE OF SCIENCES  For getting placed at YUTIKA Natural Private Limited Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 PACIFIC COLLEGE OF BASIC & APPLIED SCIENCES  Ravindra Singh Kushwah Got Placed in Western Drug as a Quality Control WD Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 PACIFIC COLLEGE OF BASIC & APPLIED SCIENCES Proud Placements  Basant K. Monariya Ph.D. Scholar Company: ONGC, Chennai Package: 50 lacs pa Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 PACIFIC COLLEGE OF BASIC & APPLIED SCIENCES --- Congratulations ---  CHETAN PATIDAR Air - 423 Mathematics MUSKAN CHAUDHURY Air - 875 Chemistry JAGDISH CHOUDHARY Air - 1392 Mathematics IIT - JAM (2020) QUALIFIED Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences
 PACIFIC COLLEGE OF BASIC & APPLIED SCIENCES  Abhishek Rajpurohit Joined Shree Cement Ltd. Department: Quality Control Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 PACIFIC COLLEGE OF BASIC & APPLIED SCIENCES  CREATING NEW CHAPTERS IN GOVERNMENT EXAMS! Heartiest Congratulations TO ALL Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 PACIFIC SCIENCE COLLEGE  KISHNA PAL SINGH From Pacific College of Basic and applied sciences from the department of MSc Organic chemistry with All India rank in GATE AND CSIR NET examinations. Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 PACIFIC COLLEGE OF BASIC & APPLIED SCIENCES PLACEMENT  Mahesh Kumar Chaturvedi Got Placed in WD WESTERN DRUGS LTD. as a CHEMIST Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences	 Pacific College of Basic and Applied Sciences Congratulations  Mr. Rahul Kumar Paliwal B.Sc Student Cleared IIT-JAM Physics All India rank - 101 Pacific Academy of Higher Education and Research University, Udaipur © 2023 Pacific College of Basic & Applied Sciences

Domain Clubs – Domain Clubs are academic and interest-based communities that encourage students to deepen their knowledge in specific fields.

Study Circle:

- 1. Green Chemistry Study Circle (Chemistry)** - Focuses on sustainable and eco-friendly chemical practices.



Industrial Visit



Common adulterants detection



Extension lecture



Common adulterants detection

- 2. Newton Nation Study Circle (Physics)**– Encourages curiosity and critical thinking through physics-based explorations.



Quiz Competition



Dainik Bhaskar Printing Press visit



Udaipur Solar Observatory visit



Webinar

Extension Lecture

3. **Eco-Zoo study Circle (Life Science)** - Promotes awareness of biodiversity and environmental conservation.



Extension Lecture



Extension lecture



Clay Model Making Competition

4. **Ramanujan Study Circle (Mathematics)** - Inspired by great minds, it promotes problem-solving and mathematical thinking.



Art Club – A creative space where students explore and express visual arts through painting, sketching, and crafts.

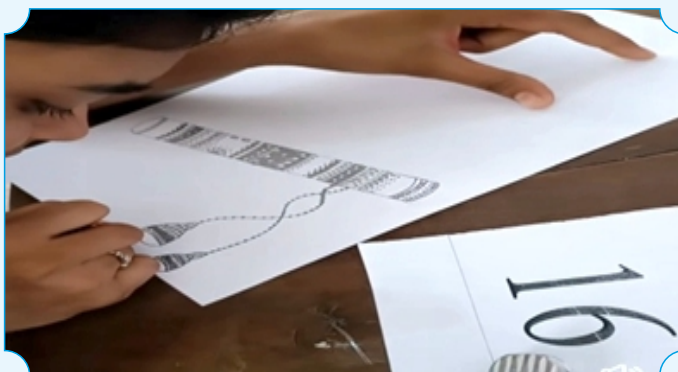
Alluring Rajasthan Exhibition Visit



Rangoli Making Competition



Mandala Art Competition



Face Painting Competition



Ayad Museum Visit



Cultural Club – Celebrates diverse traditions through dance, drama, and festivals, promoting unity and inclusivity.



Music Club – Offers a platform for budding musicians to practice, perform, and appreciate various forms of music.



Conferences/Workshops/Lectures– Conferences and workshops are organized to expose students to expert knowledge, recent developments, and practical skills in various domains. These interactive sessions help in academic growth, confidence building, and industry engagement.





International Conference organized by PCBAS



Invited Lecture on Learning science & Developing Scientific Aptitude

Educational Tour – Educational tours provide experiential learning opportunities beyond the classroom. Students visit places of academic, historical, or scientific significance, gaining real-world insights, fostering curiosity, and enhancing their understanding through direct observation.



INFRASTRUCTURE AND FACILITIES

LIBRARY : Books, journals, magazines etc are a precious and copious source of knowledge that otherwise is gathered from the growing maze of technology. Pacific College of Basic and Applied Sciences has therefore attempted to establish a library in a forum that is aesthetic, traditional and conventional. The College Library is the hub of learning with a rich collection of books, standard reference sources and other audiovisual material like video cassettes and CD ROM's. The structure has been set up as a separate block and has been aptly spread out to stock all the books, journals, manuals and handbooks related to technical space, the business sphere and the general awareness.



CLASSROOMS : The college has put in special efforts to design and setup the modern day classrooms to provide a reassuring and sedate atmosphere to the students. All the rooms, including the classrooms, lecture halls, lecture theatre have been imparted a modernistic look while retaining their aesthetic appeal. The college has made generous use of technology as required to keep up with the dynamic teaching techniques.

The College has 9 quite spacious, ventilated and well-lighted classrooms. They are well furnished with furniture and fittings. All the rooms ensure the constant availability of natural light and are filled with an air of freshness. The rooms are large and spacious making way for an amiable atmosphere.



AUDITORIUM : Auditorium is a proof to convey the fact that the University has been conceived with a noble notion.

Pacific College of Basic and Applied Sciences possess a fully air-conditioned, ICT enabled auditorium with a huge sitting capacity. The college has brought this auditorium into existence after detailed and meticulous planning. With flawless design this place is augmented with a robust feel of a dynamic thought process. Various programs like seminars, talks by eminent scholars, etc., are arranged in the Hall.



LABORATORIES : With an aim to establish a campus that stands as a faculty for innovative ideas, Pacific College of Basic and Applied Sciences has developed the curriculum and the other aspects pertaining to the University. The laboratories at the college constructed and designed with a very modern perspective. The furnishings and the teaching resources used in the labs are also ultramodern and contemporary.

The College offers separate laboratories for Physics, Chemistry, Microbiology, Biotechnology, Computer Science and IT. All the laboratories are adequately equipped as per the University norms.

B.Sc. & M.Sc. Laboratories



RESEARCH LABORATORIES



HOSTELS, MESS & TRANSPORTATION

The College provides hostel facilities to almost all the students. There are four independent spacious hostels for boys and one hostel for girls inside the college campus. All the rooms in the hostel have the basic amenities, including TV, facilities for indoor, outdoor games and common room.

Mess: Both the hostels have their separate mess facilities with nutritious and wholesome food.



Admission Procedure:

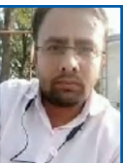
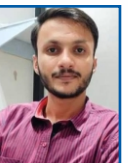
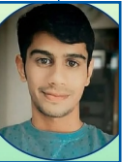
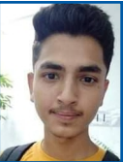
Join Us at PCBAS

If you're ready to embark on an exciting journey of discovery and innovation, we invite you to join us. Explore our programs, meet our faculty, and discover endless opportunities to unleash your potential and shape the future of science. Welcome to a world of endless possibilities!

Activities



PLACEMENT

								
								
Rajesh Singh Panwar	Bhanwar Singh	Kunal Singh	Mahesh K. Rajpurohit	Harshad Purohit	Yashwant Panchariya	Purushottam Ghanchi	Arjun Dev Sharma	Kunal Singh
IIT-JAM								
								
Chetan Patidar	Muskan Chaudhury	Jagdish Choudhary	Rahul K. Paliwal	Lokesh Singh	Mahesh K. Chaturvedi	Pankaj Soni	Ravindra S. Kushwah	Bhavdeep Balai



PACIFIC COLLEGE OF BASIC AND APPLIED SCIENCES

PACIFIC ACADEMY OF HIGHER EDUCATION AND RESEARCH UNIVERSITY

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