



CENTRAL UNIVERSITY OF PUNJAB, BATHINDA

Centre for Chemical and Pharmaceutical Sciences

ADMISSIONS 2012-13

THE UNIVERSITY

Established vide an Act of Parliament in 2009, the Central University of Punjab is one of the fastest growing next generation universities in the country. It is enabled with state of the art facilities and expertise for learning and research and offers some of the best and innovative academic programmes designed in tune with the challenges of present time. A few highlights of the rapidly progressing university are:

- Well maintained, automated and air-conditioned Central Library with over 11,000 books and subscriptions (online as well as print) to top international and national journals.
- State of the art class rooms enabled with latest visual aids and air-conditioners.
- Hostels for girls and boys with air-conditioned reading room and computing facility with internet access.
- Air-conditioned Fitness Centre with modern equipment.
- State of the art conferencing and tele-conferencing infrastructure.
- Health Centre offering free medical services to students, faculty and staff.
- Free shuttle bus facility between the city of Bathinda and the campus.
- Scholarships to all research students (Rs.3000 for M.Phil. and Rs.5000 for Ph.D. students per month; under revision)
- University seminar series featuring invited talks by eminent scholars from across the world in all disciplines.
- Modern Computer Centre with over 100 nodes and 1 Gigabyte internet connectivity.
- Clean and green campus with facilities for recreation.
- Good number of research projects and international collaborations.

CENTRE FOR CHEMICAL & PHARMACEUTICAL SCIENCES

The Centre for Chemical and Pharmaceutical Sciences is poised to meet the challenges and demand for world class medicinal chemists to carry out the drug design and discovery. The programmes in Medicinal Chemistry have been initiated to increase capacity building and to produce innovative medicinal chemists with modern broad based knowledge. These programmes aim at (a) training individuals in the rationale of analyze based/fragment and structure based drug designing utilizing the knowledge of biochemical pathways, enzymology, chemical biology, pathophysiology, pharmacology and molecular modeling approaches; (b) teach the organic synthesis of designed new chemical entities (NCEs) or synthetic alterations on NCEs utilizing the eco-friendly approaches, (c) chemical investigation of NCEs from natural products and (d) create the capabilities in students to translate the products of medicinal chemistry research into potential clinical candidates.

BATHINDA CITY

The city of Bathinda is located in the Malwa region of Punjab. Its history can be traced back to the days of Harappan civilization. A commercial hub of Punjab for cotton cultivation and trading, the Bathinda city is now a sprawling municipal corporation with excellent road and rail connectivity with other parts of the country.

FACILITIES AT THE CENTRE

The Centre for Chemical and Pharmaceutical Sciences has well furnished laboratories having UV spectrophotometer, Rotary evaporators with chillers, 24 hours power back-up, Ultrapure Water Supply System, HPLC, FT-IR & Cold room storage facility and many Deep Freezers. The instruments like 400 MHz NMR, GC-MS and AAS to enhance the quality of research in chemical and pharmaceutical sciences will be installed shortly. *In silico* software for the design of NCEs are available at the Centre. The Centre has the provision to collaborate and avail the facilities at other Centers for screening and evaluation of designed and synthetic/isolated from natural products NCEs for the generation of SAR.

ACADEMIC PROGRAMMES & ADMISSION PROCEDURE

Centre for Chemical and Pharmaceutical Sciences offers five academic programmes from this year. All these interdisciplinary programmes follow credit-based semester system. All the programmes involve course work, research and external thesis evaluation.

An all India entrance examination will be conducted on July 7, 2012 at select cities across the country. Please visit the university website for details of application, entrance examination, admission and syllabi of each programme. The eligibility criteria and number of seats available for each programme are as follows:

Programme	No. of seats	Duration	Eligibility
Ph.D. in Medicinal Chemistry	05	Six Semesters	Master's degree (M.Pharm./M.Phil./M.Sc./ or equivalent) in Pharmaceutical/Medicinal/Organic/Natural Product Chemistry from a recognized Indian or foreign university with a minimum of 55% marks.
M.Pharm.-Ph.D. Integrated Programme in Medicinal Chemistry	10	Nine Semesters	Bachelor's degree in Pharmacy from a recognized Indian or foreign university with 55% marks and also having valid GPAT score*.
M.Sc.-Ph.D. Integrated Programme in Chemical Sciences (Medicinal Chemistry)	05	Nine Semesters	Bachelor's degree in science with Chemistry as a subject with 55% marks in aggregate from a recognized Indian or foreign university
M.Pharm. in Pharmaceutical Sciences (Medicinal Chemistry)	10	Four Semesters	Bachelor's degree in Pharmacy with 55% marks from a recognized Indian or foreign university and also having valid GPAT score*.
M.Sc. in Chemical Sciences (Medicinal Chemistry)	10	Four Semesters	Bachelor's degree in science with Chemistry as a subject with 55% marks from a recognized Indian or foreign university.

*Subject to AICTE approval, sanctioned fellowship will be paid.

Tuition fee: Rs. 880/- to Rs. 1200/- per semester, depending upon course.

IMPORTANT DATES

Online application open from : June 7, 2012
Closing date of online application : June 22, 2012
All India Entrance examination : July 7, 2012
Commencement of 2012-13 session : August 1, 2012

FOR FURTHER INFORMATION PLEASE CONTACT:

Dean, Academic Affairs
Central University of Punjab, City Campus, Mansa Road, Bathinda, 151001.
Email: daa@cup.ac.in, Phone: 0164-2864120, Fax: 0164-2864111
For details visit university website: <http://www.cup.ac.in>,
<http://www.centralunipunjab.com>