



Central University of Punjab, Bathinda

Centre for Biosciences

ADMISSIONS-2012

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 air conditioned class rooms enabled with latest visual aids.
- 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 workstations and 1 Gigabyte internet connectivity.
- Clean and green campus with facilities for recreation.
- Good number of research projects and international collaborations.

CENTRE FOR BIOSCIENCES

The Centre for Biosciences has state of the art laboratories for high end research in Molecular Biology and Genomics. Cancer, being one of the crucial problems in Malwa region of Punjab causing repercussions in regional economy and development, is the thrust research area for the Centre. Other research themes of the centre include Chemical and Phylogenetic Diversity of Seaweeds, Molecular Phylogenetics including Phylogeography, Metagenomics, Abiotic Stress-Response in Plants and Cancer Biology. Facilities that are soon expected at the centre include DNA Microarray, advanced proteomics facility with 2D-GE and MALDI-TOF, whole genome sequencing platform, Microplate Multilabel Detection System, Scanning Electron Microscope and Confocal Laser-Scanning Microscope. It is expected that the centre soon will turn into one of the avant-garde research infrastructures in the country. Highlights of some existing facilities at the centre:

- Modular Air-Conditioned Research Laboratories with 24 hours power back-up
- 96 Capillary Automated DNA Sequencer
- Cytogenetic Workstation
- Automated Fluorescence Microscope
- Real Time PCR & Gradient PCR machines
- Ultrapure Water Supply System-Milli-Q
- High Performance Liquid Chromatography
- Animal & Plant Tissue Culture Facility
- Cold Room Storage Facility

ACADEMIC PROGRAMMES

All structured academic programmes follow credit-based semester system that is interdisciplinary in nature. All research programmes (M.Sc., M.Phil. and Ph.D.) include course work and external evaluation.

Programme	Duration
Ph.D. Programme in Biosciences	Six semesters
M.Phil.-Ph.D. Integrated Programme in Biosciences	Eight Semesters
M.Sc.-Ph.D. Integrated Programme in Biosciences	Nine Semesters
M.Sc. Programme in Biosciences	Four Semesters

ADMISSION PROCEDURE

An all India entrance examination will be conducted on July 7, 2012 at select cities across the country. However, for direct admission to Ph.D. programme, entrance examination and personal interview will be held only at Central University of Punjab, City Campus, Mansa Road, Bathinda on a date to be announced later. Details of entrance examination, including pattern and syllabi, addresses of examination centres and entrance examination dates are available at the university website. The eligibility criteria and number of seats offered in each programme are given below:

Programme	No. of seats*	Eligibility
Ph.D.	05	Master's degree in any branch of Life Science from a recognized Indian or foreign university with a minimum of 55% marks.
M.Phil.-Ph.D. Integrated Programme	15	Master's degree in any branch of Life Science from a recognized Indian or foreign university with a minimum of 55% marks.
M.Sc.-Ph.D. Integrated Programme	10	Bachelor's degree in any branch of Life Science from a recognized Indian or foreign university with a minimum of 55% marks.
M.Sc.	20	Bachelor's degree in any branch of Life Science from a recognized Indian or foreign university with a minimum of 55% marks.

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.

For admissions, please contact:

Dean-Academic Affairs
 Central University of Punjab,
 City Campus, Mansa Road, Bathinda-151 001
 Phone: 0164-2864120; Fax: 0164-2864111
 Email: daa@cup.ac.in
<http://www.cup.ac.in>; <http://www.centralunipunjab.com>

*The University reserves right to change the number of seats in any programme

Online application available from: 07-6-2012
 Last date of submission: 22-6-2012
 Entrance test: 07-7-2012
 Commencement of 2012-13 session: 01-8-2012