

Programme Outcomes, Programme Specific Outcomes and Course Outcomes For Ph.D. Programmes

Programme Name: *Ph.D in Chemistry*

Number of Semesters: *One semester course work followed by research in a specific area*



Enlightenment to Perfection

Department of Chemistry
University of North Bengal
West Bengal, INDIA

Programme Outcomes

In Course work

Knowledge gained

- Theoretical knowledge on different frontier aspects of chemical sciences
- Advanced courses on different aspects of chemical sciences

Skill developed

- Hands on training on advance instruments for chemical analysis
- Computer application in chemical sciences
- To choose a research problem following up to date scientific literature

Competency developed

- To handle frontier area research problem independently

During Research in specific area under s specific supervisor

Knowledge gained

- Advanced specific knowledge in the chosen frontier area in chemical sciences.
- Ability to interpret new results

Skill developed

- To handle and develop new methods for specific problem.
- Ability to analyze and solve scientific problem in chemical sciences

Competency developed

- Become an expert in a specific area
- To become competent as an independent researcher