

CHANDIDAS MAHAVIDYALAYA

DEPARTMENT OF CHEMISTRY

A Govt. Aided Degree College Affiliated to the University of Burdwan,
UGC Accredited under section 2(f) & 12(B) [1979] * NAAC Accredited in 2016

KHUUJUTIPARA, Dist - BIRBHUM, WEST BENGAL, INDIA - 731215

www.chandidasmahavidyalaya.ac.in

cmahavidyalaya1972@gmail.com

9474614644



8116010647

Program Outcomes: B.Sc. Chemistry Programme Session: 2023-24

Being a chemistry graduate with honours, a student will always have a scope for higher studies such as master degree, research field in an academic institution. Apart from opting for higher studies, the students can also build their carrier in a variety of related branches of science such as:

- Chemical industries
- Pharmaceutical field
- Health sciences.
- Agricultural science
- Nutrition expertise
- Laboratory incharge

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Course Outcome: B.Sc. Chemistry Programme


Session 2023-24

Course Name	Course Outcome
CHEMISTRY MAJOR CHEM 101-I: Basic Chemistry -I	This course includes a theory as well as a practical paper. Theory deals with the basic ideas of inorganic, physical and organic chemistry. Origin and fundamental ideas about atomic structure will help to understand the electronic configuration of one and many electron atom. Organic chemistry begins with the knowledge of resonance, hyperconjugation, electrophile, nucleophile etc which will be helpful in understanding the reaction mechanism. Physical chemistry of kinetics, thermodynamics will give them the flavor of mathematical touch in chemistry. Idea about critical state is needed for deriving the critical constants of real gases. Experimental determination of surface tension and viscosity by stalagmometer and viscometer will create more interest to the students about this course.
CHEMISTRY MINOR CHEM 102-I: General Chemistry -I	This course includes a theory as well as a practical paper. This course is somewhat less than chemistry major courses making suitable for students who takes other major subjects. It includes basic ideas of inorganic, physical and organic chemistry. Organic chemistry begins with the knowledge of resonance, hyperconjugation. fundamental ideas about atomic structure will help to understand the electronic configuration of one and many electron atom. Physical part include Vanderwaals equation and its application for explaining real gas behavior is one of the most important topic of this part.
MULTIDISCIPLINARY CHEM 103-I: Chemistry for Household Importance	This course includes only theory paper. After completion of this course, students would be able to explain the chemistry behind household things such as food additive, food colour, antibiotics , vitamin, preservatives, soap, detergents and many more

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	of enthalpy, entropy, state functions, Carnot engine will enrich students. They will learn how this parameters changes with surrounding pressure and temperature and many more.
SKILL ENHANCEMENT COURSE CHEM105-1 Drugs and pharmaceuticals	This course includes a theory paper. Theory paper include drug discovery, design and development, synthesis of the representative drugs, analgesics agents, antipyretic agents, anti-inflammatory agents which will make them expertise in pharmaceutical field . It will help to build their job oriented skill.


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Ref.No:

Date:

Programme Specific Outcome: B.Sc. Chemistry Programme Session : 2023-24

After graduating with a degree in Chemistry, the students have a wide scope in different fields. They can go for master degree after successful completion of chemistry major programme. There is also a scope for going with research. Apart from opting for higher studies, the students can also build their carrier in a variety of related branches of science:

- Industrial field
- Laboratory technician
- Pathological expertise
- Medical representative and marketing field
- Health Science
- Home Science
- Nutrition expertise
- Analytical field
- Instrument operator
- Material supplier

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