

Internship



HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

Course Name: B. Sc. Chemistry Semester: VI

PROGRAM CODE: SCIUG102

COURSE CODE: SC23INTCHE607

Type of course: Internship

Name of course: Trainee Chemist

Total Marks: 100

Effective from June 2025 Under NEP 2020

Total Credits: 04	Internship Hours per Week: 36	Internship	External 50 Marks
	Internship Hours per Semester: 120		Internal 50 Marks

Course Objectives:

1. To understand working of a Industry and how Theoretical Knowledge is applied to industry.
2. Internship will improve the ability of candidate to apply core concepts of chemistry (organic, inorganic, physical, and analytical) in practical laboratory and industrial settings.

Course Outcome:

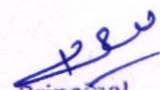
1. Technical Skills Development: Interns will acquire hands-on experience with modern instrumentation and laboratory techniques, including spectroscopy, chromatography, titrations, and synthesis.
2. Problem-Solving Abilities: Interns will enhance their skills in identifying, analysing, and solving chemical problems, both independently and as part of a team.
3. Safety and Ethics: Interns will understand and implement best practices in laboratory safety, environmental regulations, and ethical standards in chemical research and industry.
4. Communication Skills: Interns will improve their ability to document experiments accurately and communicate scientific findings clearly through written reports and oral presentations.
5. Professional Preparedness: Interns will gain insight into industrial workflows and research environments, enhancing their readiness for future employment or advanced study in chemistry-related fields.

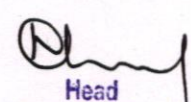

Principal
The H.S.N.B. Ltd. Science College
Himatnagar-383001, S.K.



Sr. no	List	Credit	Hours
1	All students will be required to undergo internships and shall make visits to any Industries/ Research Institute which has MOU/ LOI from the list given below and bring a signed certificate from that industry or institute regarding the same. Details of the work carried out during the 120 hours will be submitted in the form of a report. Ceramic industry Cement Industry Pharmaceutical industry Fragrance Industry Perfumes industry Food analysis industry Oil and Wax industry Agriculture Industry Food and Drugs analysis lab Water testing lab Soil testing lab Oil refinery Milk Industry Research institutes with facility for chemical research	4	120

Note: To complete an internship, guidelines issued by the university (SOP) should be considered.


Principal
The H.S.N.B. Ltd. Science College
Himatnagar-383001, S.K.


Head
Department of Chemistry
The HNSB. Ltd. Science College
Himatnagar-383001