



# DIRECTORATE OF **DISTANCE & ONLINE** EDUCATION

PG DIPLOMA IN CHEMICAL SCIENCE

COURSE BROCHURE (2026-27)

# INTRODUCTION

Mangalayatan Online offers a Postgraduate Diploma in Chemical Sciences designed by expert faculty to introduce students to the major branches of chemistry, comprising organic, inorganic, analytical, physical, and applied chemistry topics. The program curriculum also covers the topics of physical and analytical chemistry. Through the semester coursework, students will gain experimental proficiency, analytical thinking, and problem-solving abilities. These interdisciplinary fields will enhance students' ability to generate new insights and creative approaches to take challenging roles.

## MISSION:

- To encourage students to cultivate knowledgeable, skilled, and ethically responsible professionals.
- To apply chemical principles to solve real-world scientific and industrial challenges.
- To develop their knowledge to adhere to safety and environmental standards.

## OBJECTIVES:

- To strengthen their core and advanced concepts of chemistry to enhance their analytical and problem-solving abilities.
- To develop strong laboratory skills for experimental design, data interpretation, and chemical analysis.
- To promote research, industry, and academic environments for professional development.

# INSTRUCTIONAL DESIGN

The program is divided into two semesters and minimum credit requirement is 40 to get PG Diploma in Chemical Science through OL mode from Mangalayatan University. Minimum time period for acquiring PG Diploma in Chemical Science will be one year.

SEMESTER - I				
S.No.	Course Code	Course Theory	Credit	Subject Total
1	CHM-6111	Inorganic Chemistry - I	4	100
2	CHM-6112	Organic Chemistry - I	4	100
3	CHM-6113	Physical Chemistry - I	4	100
4	CHM-6114	Analytical Chemistry - I	4	100
5	CHM-6151	Chemistry Lab - I	2	100
6	CHM-6152	Chemistry Lab - II	2	100
TOTAL			20	600

SEMESTER - II				
S.No.	Course Code	Course Theory	Credit	Subject Total
1	CHM-6211	Inorganic Chemistry - II	4	100
2	CHM-6212	Reactions and Mechanisms in Organic Chemistry	4	100
3	CHM-6213	Physical Chemistry - II	4	100
4	CHM-6214	Analytical Chemistry - II	4	100
5	CHM-6251	Chemistry Lab - III	2	100
6	CHM-6252	Chemistry Lab - IV	2	100
TOTAL			20	600

# SYLLABI AND COURSE MATERIALS

Syllabi, PPR and self-learning materials are developed mostly by experienced faculty members of Mangalayatan University in consultation with contents experts and the same will be forwarded to CIQA and Board of Studies/Academic Council/ Executive Council for further suggestions and approval.

## STUDY MATERIAL

The study material in digital format (e – content) of the programme shall be supplied to the students unit - wise for every course.

## VIDEO LECTURES

The Video lectures as prescribed by the UGC Regulation shall be made available on the LMS portal of the University.

## ONLINE COUNSELLING SESSIONS

The online counselling sessions shall be scheduled beforehand by the Subject Coordinator and informed to the learners. There shall be 6 online counselling sessions / contact classes of 1 hours each for a 4 credit course, held on Saturdays and Sundays. In case of 2 credits course there shall be 4 sessions of 1 hours each and in case of 6 credits course there shall be 8 sessions of 1 hours each.

## MEDIUM OF INSTRUCTION

Medium of Course Instruction:	English
Medium of Examination:	English

# STUDENT SUPPORT SYSTEMS

The university will appoint programme coordinators, course coordinator and course mentors to facilitate the learners in their learning.

Finally, The university has made appropriate arrangements for various support services including online counselling and resource-oriented-services, evaluation methods for both on and off line modes for easy and smooth services to the students' through online mode.

## PROCEDURE FOR ADMISSIONS, CURRICULUM, TRANSACTION AND EVALUATION

### FEE STRUCTURE

Name of the Program	Degree	Duration	One Time Reg. Fee	Semester Fee	Exam Fee Per Semester	Full Year Fee
PG Diploma in Chemical Science	PG Diploma	1 Year	1000	12000	1000	26000
<b>Total</b>						<b>27000</b>

### ACTIVITY SCHEDULE

S.NO.	Name of the Activity	Tentative months schedule (specify months) during year			
		From(Month)	To (Month)	From(Month)	To (Month)
1	Admission	Jul	Sep	Jan	Mar
2	Assignment submission (if any)	Sep	Oct	Mar	Apr
3	Evaluation of Assignment	Oct	Nov	Apr	May
4	Examination	Dec	Dec	Jun	Jun
5	Declaration of Result	Jan	Jan	Jul	Jul
6	Re-registration	Jul	Jul	Jan	Jan
7	Distribution of SLM	Jul	Sep	Jan	Mar
8	Contact Programmes (counselling, Practicals.etc.)	Sep	Nov	Mar	May

## CREDIT SYSTEM

Duration of the Programme	Credits	Name of the Programme	Level of the Programme
1 Year	40	PG Diploma in Chemical Science	PG Diploma

## WHY ONLINE EDUCATION?

- Comfortable and Flexible
- Convenience of attending classes from home
- Cost Effective
- Time saving
- No commuting
- Monetary benefits- No textbooks required
- Repeated access to the same lecture
- Study anytime, anywhere
- Write proctored exam from home

## ADMISSION PROCESS

- Register with Mangalayatan Online Programs
- Pay Registration fees through our available payment gateways
- Upload relevant documents and mark sheets
- Get provisional admission
- Pay semester fees
- Get admission confirmation from University
- Roll number allotted to every student
- LMS id and password creation.



**Mangalayatana**  
**ONLINE**

## Contact Us



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