

**INDIRA GANDHI NATIONAL OPEN UNIVERSITY**  
**Planning & Development Division**

**IG/P&DD/ODL/Launch/904**  
**30<sup>th</sup> November, 2023**

**Academic Programme Launch Notification No. 131**  
**M.Sc. (Chemistry) (MSCCHEM)**

With the approval of the Competent Authority, the programme M.Sc. (Chemistry) (MSCCHEM) will be offered through ODL mode from **January, 2024** session as per the following details:

**Eligibility:**

- Graduates with B.Sc. (Major/Honours) Degree in Chemistry from a recognised university.
- Graduates with a B.Sc. Degree (or equivalent) from a recognised university with Chemistry as one of three science subjects with equal weightage
- Graduates with a B.Sc. Degree from an Open University with a minimum of 20 Credits of Chemistry courses

**Medium of Instruction:** English

**Duration:** Minimum 02 Years; Maximum 04 Years

**Fee Structure:** ₹ 20, 200/- per annum

**Programme Details:** Total Credits: 80

**Examination Mode:** Annual

**Study Materials:** Print and Digital (Both)

**Expected Enrolment:** 1000 per cycle

**Courses:**

Course Code	Title of the Course	Type of Course	Course Credits
<b>Semester I</b>			
MCH-011	Inorganic Chemistry -I	Theory	04
MCH-012	Organic Chemistry-I	Theory	04
MCH-013	General Physical Chemistry	Theory	04
MCH-014	Mathematics for Chemists	Theory	02
MCH-015	Biology for Chemists	Theory	02
MCHL-011	Chemistry Lab-I	Lab	02
MCHL-012	Chemistry Lab-II	Lab	02
MCHL-013	Chemistry Lab-III	Lab	02
<b>Semester II</b>			
MCH-016	Inorganic Chemistry -II	Theory	04
MCH-017	Organic Chemistry-II	Theory	04
MCH-018	Quantum Chemistry and group theory	Theory	04
MCH-019	Green Chemistry	Theory	02

आचार्य  
योजना एवं विकास प्रभाग  
इ.गो.रा.मु.वि., मेदान मर्दा, नई दिल्ली-110068  
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Course Code	Title of the Course	Type of Course	Course Credits
MCHL-014	Chemistry Lab-IV	Lab	02
MCHL-015	Chemistry Lab-V	Lab	02
MCHL-016	Chemistry Lab-VI	Lab	02
<b>Semester III</b>			
MCH-020	Atomic and Molecular spectroscopy	Theory	04
MCH-021	Chemistry of Materials	Theory	04
MCH-022	Separation and Spectroscopic Methods	Theory	04
MCHL-017	Separation and Spectroscopic Methods Lab	Lab	02
MCH-023	Environmental Chemistry	Theory	04
MCHL-018	Environmental Chemistry Lab.	Lab	02
<b>Semester IV</b>			
MCH-024	Introduction to research	Theory	02
MCH-025	Electroanalytical and Other analytical methods	Theory	04
MCHL-019	Electroanalytical and Other analytical methods Lab	Lab	02
MCHE-011	Elective- I: Applications of spectroscopy to Inorganic & Bioinorganic molecules	Elective	04
MCHE-012	Elective- II: Spectroscopic Identification of Organic Compounds	Elective	04
MCHE-013	Elective- III: Supramolecular Chemistry	Elective	04
MCHE-014	Elective – IV: Primary and Secondary Metabolites	Elective	04
MCHE-015	Elective – V: Advanced Kinetics and Electrochemistry	Elective	04

#### Details of Approval in the Academic Council:

The PDF for MSc (Chemistry) programme was approved in 78th meeting of Academic Council held on 13<sup>th</sup> June 2022 vide (Item number 78.20)

Revised PDF approved by competent authority on 30.10.2023. To be ratified in the forthcoming Academic Council Standing Committee Meeting.

#### Contact Details of Programme Coordinator:

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To  
 Directors of Schools, Head of Divisions  
 AR, VCO & PS to all PVCs

(Prof. Neeti Agrawal)  
 Director, P&DD

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Development Div

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