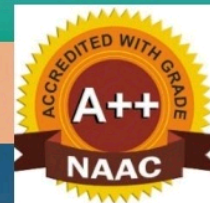


Admission Open for July 2023 Session Master of Science (Physics)(MSCPH)



Admission Link:

<https://ignouadmission.samarth.edu.in/>



The programme aims to offer quality higher education at the post-graduate level in physics to address the requirements of learners aspiring for a career in physics like teaching, and research in frontier areas.

Duration : Min. 2 years; Max. 4 years

Fee : Rs. 14,000/- per Annum

Total Credits : 72 Credits

Medium : English

Mode : ODL (Semester system)

Age : No bar.

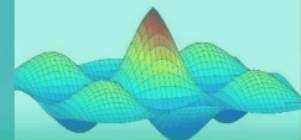
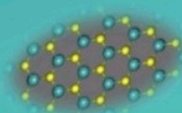
Admission: January/July Cycle

Examination Mode: Annual

Eligibility:

- Graduates with Major/Honours in Physics
- Graduates with a B.Sc. Degree (including IGNOU B.Sc. Programme under CBCS) with Physics and Mathematics
- Graduates with a B.Sc. Degree of IGNOU or any recognized Open University with a minimum of 32 Credits of Physics, and Mathematics as one of the subjects

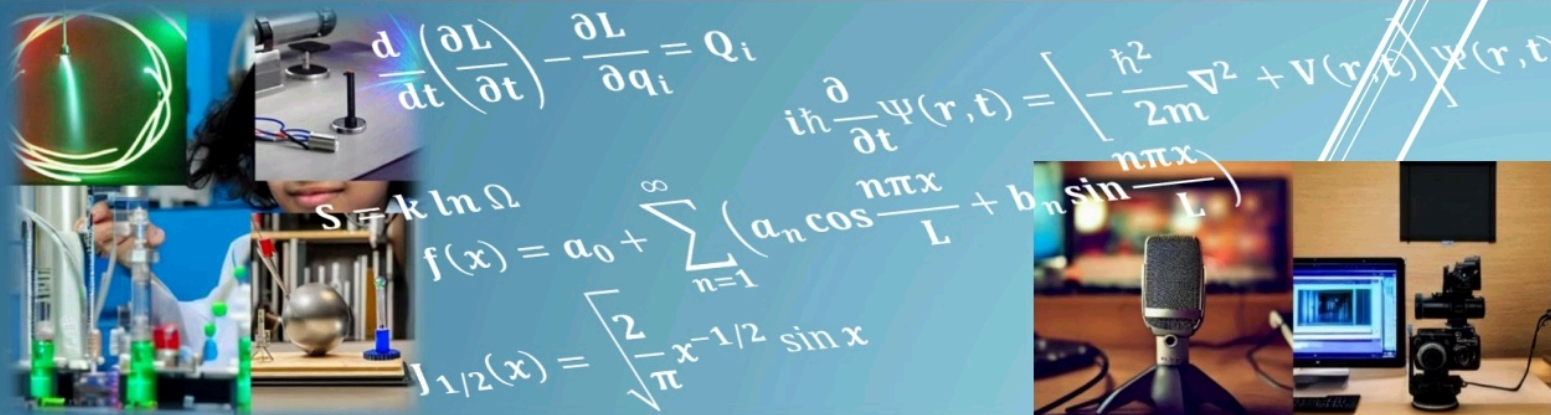
Objectives:



- Build a strong foundation in core areas of Physics
- Provide exposure to interdisciplinary nature of modern day science
- Impart adequate training in practical skills and hands-on laboratory experience
- Equip learners with skills to carry out computer-aided investigations in the physical sciences

Major highlights of the programme:

- The programme is designed and developed by renowned physicists and leading experts from all across the country
- Easy online access to Self-Learning Material through eGyankosh
- Ready on-line support on WEAS portal.



For Further Information, Contact:

The Director
School of Sciences, IGNOU
Ph. No.: 011-29572832
Email: sos@ignou.ac.in

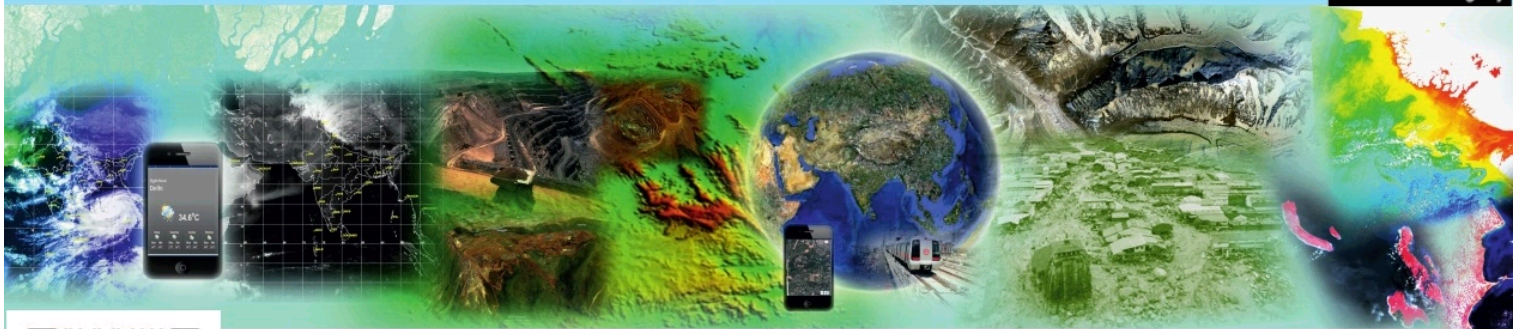
Programme Coordinators:
Dr. Subhalakshmi Lamba
Dr. M Boazbou Newmai
Email : mscph@ignou.ac.in
Ph. No.: 011-29572814/2839

Scan QR code



Join

Post Graduate Certificate in GE_oINFORMATICS (PGCGI)



- **Duration** : Minimum 6 months and maximum 2 years
- **Eligibility** : Graduation from a recognised University

Admission open for both January and July cycles

TARGET GROUPS

Teaching
through open &
distance learning
mode

- Defence and law enforcement personnel
- Faculty members from higher education institutes and School teachers interested to teach related courses
- Working professionals with little or no prior experience
- Graduates interested to develop skills to work with geospatial data

Salient Features

- Designed and developed with the help of experts from C-DAC, DRDO, DST, IITs, ISRO, IITM, several institutes/universities and industries.
- Covers aspects of Geospatial data, Mapping, GIS, GNSS, Remote Sensing, Visual Image Interpretation, Digital Image Processing, Spatial Analysis and Applications.

Employment Prospect

- Government Organisations
- Private Industries
- R & D Institutions

In the field of:

- Natural Resources Management
- Natural Hazards and Disaster Management
- Environmental Management
- Urban and Rural Planning
- Geospatial Education

How to Apply : Visit <https://ignouadmission.samarth.edu.in> or scan the code



Indira Gandhi National Open University
Maidan Garhi, New Delhi
Website: www.ignou.ac.in

For Further Information, Please Contact:

The Director
School of Sciences
Ph.: 011-29532167/29572832
Fax: 011-29532167
E-mail: sos@ignou.ac.in

Dr. Omkar Verma
Programme Coordinator - PGCGI
School of Sciences
Ph.: 011-29571675
E-mail: omkarverma@ignou.ac.in

Certificate Programme in Teaching of Primary School Mathematics (CTPM)

Age : No Bar
 Duration: 6 Months
 to 2 Years
 Medium : English &
 Hindi
 Fee : Rs. 2100/-
 Total
 Credits : 16 Credits
 Eligibility: 10th Pass

Why should I take this Programme?

- To learn about what Mathematics is.
- To discover how children learn.
- To help children enjoy and appreciate Mathematics.
- To become a better Mathematics Teacher.

Programme Objectives

- To help primary school teachers to critically look at their mathematics teaching strategies and alter them to suit their students backgrounds.
- To increase the teachers' awareness about the nature of mathematics and the need to learn it.
- To refresh the teachers about the acquisition and learning process in the context of mathematics learning.
- To create awareness amongst teachers about various interactive teaching strategies and techniques that make learning mathematics an interesting and enjoyable experience.
- To make the discourse of mathematics teaching available to a wider section of society by exposing them to the need for giving a meaning and context while learning or teaching mathematical concepts processes or skills.



Teaching of Primary School Mathematics (AMT-01) 8 Credits	Block 1	Aspects of Teaching Mathematics
	Block 2	Numbers (I)
	Block 3	Numbers (II)
	Block 4	Fractions
	Block 5	Measurement
2 Credits worth of Project Work is Compulsory		
Learning Mathematics (LMT-01) 8 Credits	Block 1	Approaches to Learning
	Block 2	Encouraging Learning in the Classroom
	Block 3	Data and Chance
	Block 4	On Spatial Learning
	Block 5	Exploring Numbers
	Block 6	Thinking Mathematically

Admission Procedure

- Twice a year in June and July
- Admission is online through the portal <https://ignouadmission.samarth.edu.in/>

Contact: Dr. Pawan Kumar,
 Email: pawankumar@ignou.ac.in
 Ph.No.: 011-29572806

SCHOOL OF SCIENCES

Eligibility Criteria

- Graduates with B.Sc. (Major/Honours) Degree in Chemistry from a recognized University.
- Graduates with a B.Sc. Degree (or equivalent) from a recognized 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.



Total Credits:80
Semester-based
programme

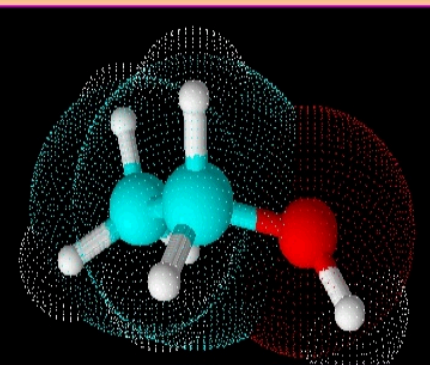
**Programme
code:**
MSCANCHEM

Age: No bar
Medium: English
Fees: Rs. 23,300/-
per annum

M.Sc.
(Analytical Chemistry)
on offer from
January 2024

Duration:
Minimum 2 years &
Maximum 4 years
Examination Mode:
Annual

- Provides higher education opportunities to the learners in the area of Chemistry / Analytical Chemistry
- Provides an opportunity to the learners to find suitable jobs in analytical / industrial laboratories
- Provides an opportunity to the learners to upgrade their qualifications
- Provides the opportunities to the learners in building their careers in research and teaching in Chemistry / Analytical Chemistry



How to Apply: Visit <https://ignouadmission.samarth.edu.in>

For further information

IGNOU's website:
www.ignou.ac.in

The Director
School of Sciences
Ph.: 011-29532167/29572832
Fax: 011-29532167
E-mail: sos@ignou.ac.in

Programme Coordinators
Prof. Sunita Malhotra & Prof. Lalita S. Kumar
Ph:011-29572835 011-29572808
Email: smalhotra@ignou.ac.in lalitaskumar@ignou.ac.in

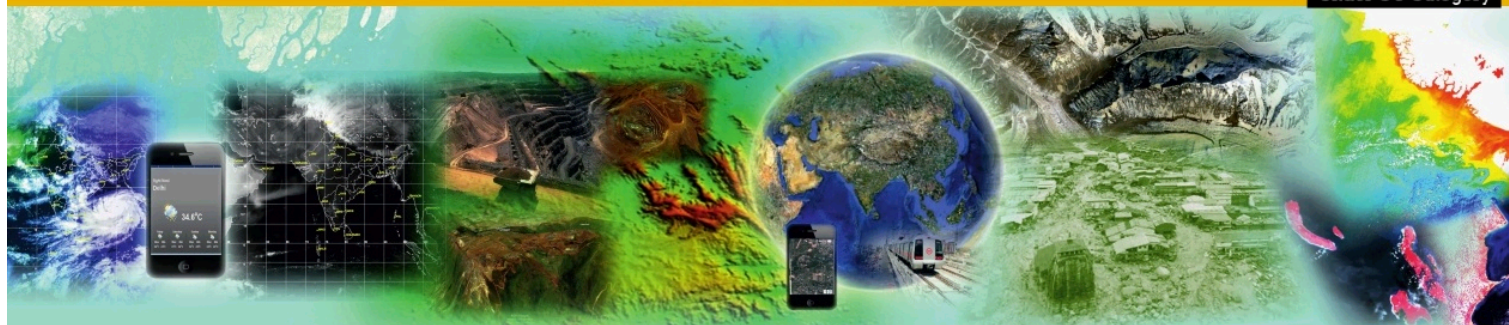
Join

M.Sc.

GEOINFORMATICS (MSCGI)



Under OU Category



- **Duration** : Minimum 2 years and maximum 4 years
- **Eligibility** : "Graduation in Science/ Engineering/ Technology/ Architecture/ Planning/ Computer Application/ Information Technology / Medical & Allied fields/ Commerce/ Business Administration/ Management" Or "Graduation with Geography/ Mathematics/ Statistics/ Economics/ Anthropology/ Archaeology as one of the subjects" from a recognised University



Admission open for both January and July cycles

TARGET GROUPS

**Teaching through
open & distance
learning mode**

- Defence and law enforcement personnel
- School teachers and Faculty members from higher education institutes interested in teaching relevant courses
- Working professionals with little or no prior experience
- Graduates interested in developing skills in this field

Salient Features

- Designed and developed with the help of experts from C-DAC, DRDO, DST, IITs, ISRO, IITM, DUK, several institutes/universities & industries.
- Covers aspects of Basics & advances in Remote Sensing & GIS, Techniques in DIP, Spatial Analysis & Modelling, Emerging Applications, Geospatial programming, Artificial Intelligence & Machine Learning, Research Methodology & Professional Skills.

Employment Prospect

- Government Organisations
- Private Industries
- R & D Institutions

In the field of:

- Natural Resources Management
- Natural Hazards and Disaster Management
- Environmental Monitoring & Management
- Urban and Rural Planning
- Geospatial Education



How to Apply : Visit <https://ignouadmission.samarth.edu.in> or scan the code



Indira Gandhi National Open University
Maidan Garhi, New Delhi
Website: www.ignou.ac.in

For Further Information, Please Contact:

The Director
School of Sciences
Ph.: 011-29532167/29572832
Fax: 011-29532167
E-mail: sos@ignou.ac.in

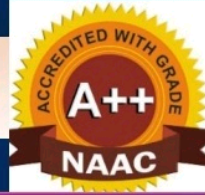
Prof. Benidhar Deshmukh &
Prof. Meenal Mishra
Programme Coordinators - MSCGI
School of Sciences
Ph.: 011-29571677/76/75/78/79
E-mail: pgcgi@ignou.ac.in

Admission Open for January 2024 Session Master of Science (Zoology)(MSZOO)



Admission Link:

<https://ignouadmission.samarth.edu.in/>



The post-graduate programme aims to offer quality education in Zoology as well as to encourage students to pursue their career in teaching and research.

Programme details:

- Duration: Minimum 02 Years, Maximum 04 Years
- Total Credits: 80
- Fee Structure: Rs. 20,000/- per annum (Pro rata fee for lateral entrants into Second Year)
- Medium of Instruction: English
- Examination Mode: Semester-wise
- Admission cycle: July and January
- Registration : Annual
- Study Materials: Print and Digital

Eligibility:

- ❖ The candidate should have passed the B.Sc. (Hons.)/B.Sc. (Major) in Zoology.
or
- ❖ B.Sc. (General/CBCS) with Zoology as one of the subjects.
- ❖ The reservation policy of GOI will be applicable.

Objectives:

- To impart higher education in the area of Zoology.
- To provide an opportunity to the learners to upgrade their qualifications.
- To provide opportunities to the learners in building their careers in research and teaching in Zoology.
- To inculcate the spirit of resource conservation and love for nature.
- To distinguish between the structure, function, behavior and evolution of different animals.
- To provide knowledge and skills in applied areas of Zoology.

Special Features of MSCZOO Program

- ❖ **MSCZOO is being offered with specialization in Entomology.**
- ❖ **Students have to do Project/Dissertation work in the IV semester of the programme.**



For Further Information, Contact:
The Director
School of Sciences, IGNOU
Ph. No.: 011-29572832
Email: sos@ignou.ac.in

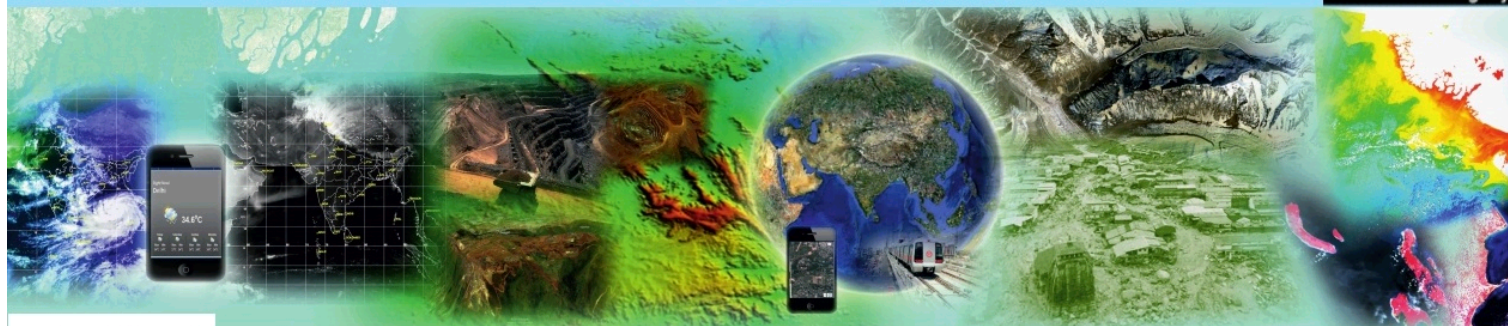
Programme Coordinators:
Prof. Neera Kapoor,
Dr. Siya ram
Email : msczo@ignou.ac.in
Ph. No.: 011-29572810/2842

Scan QR code



Join

Post Graduate Diploma in **GE_oINFORMATICS (PGDGI)**



- **Duration** : Minimum 1 year and maximum 3 years
- **Eligibility** : Graduation from a recognised University

Admission open for both January and July cycles

**Teaching through
open & distance
learning mode**

TARGET GROUPS

- Defence and law enforcement personnel
- Faculty members from higher education institutes and School teachers interested to teach related courses
- Working professionals with little or no prior experience
- Graduates interested to develop skills in this field

Salient Features

- Designed and developed with the help of experts from C-DAC, DRDO, DST, IITs, ISRO, IITM, several institutes/universities and industries.
- Covers aspects of Geospatial data, Mapping, GIS, GNSS, Remote Sensing, Image Interpretation, Digital Image Processing, Spatial Analysis & Modelling, Applications and Introduction to R programming

Employment Prospect

- Government Organisations
- Private Industries
- R & D Institutions

In the field of:

- Natural Resources Management
- Natural Hazards and Disaster Management
- Environmental Management
- Urban and Rural Planning
- Geospatial Education

How to Apply : Visit <https://ignouadmission.samarth.edu.in> or scan the code



Indira Gandhi National Open University
Maidan Garhi, New Delhi
Website: www.ignou.ac.in

For Further Information, Please Contact:

The Director
School of Sciences
Ph.: 011-29532167/29572832
Fax: 011-29532167
E-mail: sos@ignou.ac.in

Dr. Kakoli Gogoi
Programme Coordinator - PGDGI
School of Sciences
Ph.: 011-29571678
E-mail: kakoligogoi@ignou.ac.in

INDIRA GANDHI NATIONAL OPEN UNIVERSITY

M.SC. IN GEOGRAPHY

(School of Sciences)

PROGRAMME OBJECTIVES

- to enable the learners with a better understanding of earth and its processes;
- to orient the learners towards geographical research and to prepare them for the current and emerging job opportunities.

Programme Code: MSCGG

Eligibility: Graduate in any Stream

Medium of Instruction: English

Duration: Minimum 2 years & Maximum 4 years

Total Credits: 80

Examination Mode: Annual

FEE
Rs.
14000/-
PER ANNUM

JOB OPPORTUNITIES

Teaching and Research, Cartography and Mapping, Urban and Regional Planning, Population and Demographic Studies, Natural Resource Management, Environmental Management and Sustainability, Geospatial Analysis, Tourism and Recreation Industries, Administration and Marketing, Disaster Management, Transportation and Logistics Industries

HOW TO APPLY: Visit <https://ignou.samarth.edu.in/index.php/site/login>

For more details, visit IGNOU website on www.ignou.ac.in

PROGRAMME COORDINATORS

Dr. Satya Raj satyaraj@ignou.ac.in, Ph. 011-29571672

Dr. K.Nageswara Rao knrao@ignou.ac.in, Ph. 011-29571680

Dr. Vishal Warpa vishalwarpa@ignou.ac.in, Ph. 011-29571674



BACHELOR OF SCIENCE (MATHEMATICS) BSCFMT

About the Programme:

The Programme aims to

- foster deep interest in learning mathematics and mathematical thinking.
- develop broad and balanced knowledge and understanding of definitions, concepts, principles and theorems and their proofs.
- familiarize you with suitable tools of mathematical analysis to handle issues and problems in mathematics and related areas.
- develop a range of generic skills helpful in employment, internships and social activities.

Programme Package:

- Based on UGC-FYUP Curriculum and Credit Framework for Undergraduate Programmes in accordance with NEP, 2020.
- Multiple Exits (UG Certificates, UG Diploma, UG Major and UG Honours).
- Variety of Courses such as Mathematics Discipline Specific Courses, Interdisciplinary Courses, Ability Enhancement Courses, Value-added Courses, Vocational Courses, Skill Enhancement Courses, Minor Electives.
- Print Material, Econtent, Tele-Conferencing, Interactive radio Counselling, Web-Enabled Academic Support.

Eligibility: 10+2 or Equivalent with Mathematics

Medium: English and Hindi

Mode: ODL

Fee: Rs. 6000 per annum (excludes Registration and Examination fee)

Age: No Bar

Admission: July and January Cycle



Scan here for
Admission

Programme Coordinators:

Prof. Deepika and Dr. S. Venkataraman

Contact Details: bscmaths@ignou.ac.in, 01129572850/60

For more details: www.ignou.ac.in

To Enrol visit IGNOU admission Portal:

<https://ignouadmission.samarth.edu.in>



Scan here for
Programme Details

M.Sc. (Applied Statistics)
(MSCAST)

Target Group

- Working professionals in Research and Development departments of various Industries/ Universities/ Institutes.
- Fresh graduates interested in continuing their education and developing Statistical skills.

Important Information

Age: No Bar
Medium: English
Admission: July/January Cycle
Duration: Min 2 years - Max 4 years
Fee: ₹15400/- per year

Topics Covered

- Probability • Survey Sampling
- Design of Experiments • Statistical Quality Control • Time Series Analysis
- Statistical Inference • Regression Analysis • Multivariate Analysis
- Epidemiology • Clinical Trials
- Categorical Analysis • Survival Analysis
- Research Methodology • Operations Research • Stochastic Processes
- Mathematics for Statistics • Machine Learning • Neural Networks • Data Analysis with R and Python

Eligibility

- Graduation with B.A./B.Sc. (Major/Honours) degree in Statistics/Mathematics from any recognised University/Institution/Organisation.
- or
- Graduation with B.A./B.Sc. degree from any recognised University/Institution/Organisation with Statistics/Mathematics as one of three subjects with equal weightage.
- or
- Graduation from any recognised University/Institution/Organisation with one year Post Graduate Diploma in Statistics/Applied Statistics/ Data Science/ Data Analytics.



➤ Semester-wise NEP 2020 based
 ➤ After successful completion of the first two semesters, learners will be awarded with
Post Graduate Diploma in Statistics and Applications (PGDSA)

- Statistician
- Market Researcher
- Financial Analyst
- Scientific Researcher
- Opportunities in R&D departments, Academic Institutions, Industries, etc.
- Data Scientist
- Biostatistician
- Insurance Actuary

Career Prospects



Scan for More Details

For Further Information, Please Contact:

Director, School of Sciences
 Email: sos@ignou.ac.in
 Ph.: 011-29572832

Dr. Neha Garg & Dr. Prabhat Kumar Sangal
 Email: mscast@ignou.ac.in
 Ph.: 011-29572830 and 011-29572829



Scan to Apply

IGNOU OFFERS BACHELOR OF SCIENCE (HONOURS) IN BIOCHEMISTRY (BSCBCH) AND BSC BIOCHEMISTRY (BSCFBC) (Open and Distance Learning Mode)

Biochemistry is a laboratory based interdisciplinary science with wide scope in teaching, research and industry. The University offers two undergraduate degree programmes: A three year Bachelor of Science (Honours) in Biochemistry (BSCBCH) as well as Bachelor of Science (Biochemistry) (BSCFBC) under Four Year Undergraduate Programme (FYUP) scheme.

Programme Highlights:

- ◆ *Eligibility: 10 + 2 pass with science subjects, namely, Chemistry, Physics and Biology/Biotechnology.*
- ◆ *Duration: Minimum 3 Years, Maximum 6 Years for BSCBCH; and 3/4 Years, Maximum 6/8 Years for BSCFBC offered in both January and July cycle of admission.*
- ◆ *Admission session: July*
- ◆ *Medium of Instruction: English and Hindi*
- ◆ *Mode: ODL (semester system)*
- ◆ *Fee: Rs. 14,700/-per annum (including Registration fee 200/-)*

Major highlights of the programme:

- Designed and developed by experts from all across the country.
- Easy online access to Self-Learning Material.
- Audio and Video Resources for augmented learning.
- Hands on lab experience.
- Access from mobile.
- Online academic support through WEAS portal.
- Opens avenues for higher studies.
- Job opportunities in Biotech, health and food industries.

OBJECTIVES:

- *Introduce the learners to main themes and topics in Biochemistry.*
- *Expose the students to work towards ability and skill enhancement through exposure to appropriate courses.*
- *Introduce students to reading and writing skills through assignments and laboratory practices appropriate for undergraduate study.*
- *Expose the students to the importance of interdisciplinary approach by enabling them to take courses outside their disciplines.*

Programme Coordinators:

*Prof. Parvesh Bubber
(Email: parvesh@ignou.ac.in,
Ph. 011-29572848),*

*Dr. Seema Kalra
(Email: seemakalra@ignou.ac.in,
Ph. 011-29572852)*

*Dr. Maneesha Pandey
(Email: maneesha@ignou.ac.in;
Ph: -1129572825)*

**For Admissions and More Information:
Visit the official IGNOU website at www.ignou.ac.in.**

Online Admission Link: <https://ignouadmission.samarth.edu.in/>



IGNOU OFFERS M.SC. IN BIOCHEMISTRY (MSCBCH) PROGRAMME

The Indira Gandhi National Open University (IGNOU) is pleased to announce admission to its **M.Sc. in Biochemistry (MSCBCH)** programme from **June 2025**. This semester-based postgraduate Programme is designed to provide learners with a strong foundation in biochemistry, research exposure, and industrial relevance, making it ideal for aspiring professionals in scientific and healthcare sectors.

Programme Highlights
*Duration: Minimum 2 years,
Maximum 4 years*
Credits: 80
Medium of Instruction: English

Age Bar: No restrictions
Fee: Rs. 30,000/-per annum

OBJECTIVES:

- To develop core and advanced concepts in biochemistry
- To build research and analytical skills
- To bridge academic learning with industry demands

Eligibility: i) Graduation with B.Sc.(Major / Honours) degree in a relevant subject (Biochemistry/ Biotechnology / Microbiology/ Chemistry/Life sciences/ Environmental sciences/Biomedical sciences/Agriculture science/ Veterinary science/Medical laboratory Technology) from any recognized University /Institution/ Organization
OR
(ii) Medical Graduates (MBBS, BAMS, BHMS, BPT) from any recognized University/ Institution/Organization
OR
(iii) Graduation with B.Sc.Degree from any recognized University/Institution/ Organization with Biochemistry/ Chemistry/Life sciences as one of three subjects with equal weightage.

Career Opportunities:

Learners with Master degree in Biochemistry can explore rewarding career paths in both private and government sectors such as:

- Research Associate / Scientist ➤ Clinical Biochemist ➤ Quality Control Analyst
- Roles in Forensics, Food Tech, Pharma, Agriculture Teaching & Higher Education

Exit Option:

- Learners who successfully complete the first two semesters (40 credits) of the programme will be awarded a **Post Graduate Diploma in Biochemistry**, providing an early credential and career flexibility.
- IGNOU's MSCBCH programme is a valuable opportunity for the learners aspiring to be biochemists and scientific researchers. The programme would help to enhance their skills so as to contribute to the solution- driven biological sciences and achieve academic and professional excellence.

Programme Coordinators: Dr. M. Abdul Kareem
(Email: abdul.kareem@ignou.ac.in)
(Ph. 011-29572809)

Dr. Arvind Kumar Shakya
(Email: arvind.kumar@ignou.ac.in)
(Ph: -011-29572836)

For Admissions and More Information:
Visit the official IGNOU website at www.ignou.ac.in.

Online Admission Link: <https://ignouadmission.samarth.edu.in/>

Indira Gandhi National Open University



School of Sciences

Offers



M.Sc. (Chemistry) Programme

from January 2024 Session

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 twenty Credits of Chemistry courses.



For Admission
Scan



Age: No Bar

Fee: Rs. 20,200/- per Annum

Duration: Min.: 2 years

Max.: 4 years

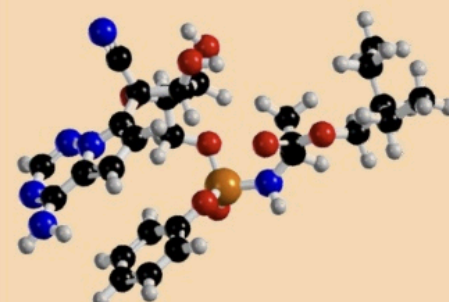
Medium of Instruction: English

Mode: Open & Distance Learning

Credits: 80 (20 per Semester)

Examination: Annual mode

Admission: January / July Cycle



Contact:

The Director
School of Sciences
Ph.: 011-29532167/29572832
E-mail: sos@ignou.ac.in

Programme Coordinators:

Prof. Sanjiv Kumar
011-29572823; Sanjiv_sos@ignou.ac.in
Prof. Kamalika Banerjee
011-29572841; Kamalika@ignou.ac.in

Web: www.ignou.ac.in