

Welcome to IGNOU Regional Centre Trivandrum



INDIRA GANDHI NATIONAL OPEN UNIVERSITY
REGIONAL CENTRE, TRIVANDRUM

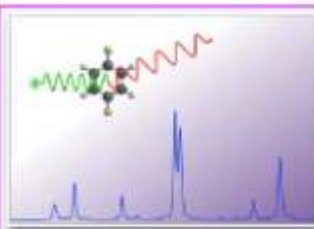


Indira Gandhi National Open University
Regional Centre Campus
Muttathara, Valiyathura P.O
Trivandrum, Kerala- 695 008
Phone: 0471-2344113, 9447044132
Email: rctrivandrum@ignou.ac.in



INDIRA GANDHI NATIONAL OPEN UNIVERSITY

SCHOOL OF SCIENCES



Total Credits:80
Semester-based
programme

Eligibility Criteria

- 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.



**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> or scan the code

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

Master of Science in Biochemistry (MSCBCH)

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

Objectives:

- To inculcate the concepts of biochemistry;
- To provide the knowledge and skills required by a postgraduate in biochemistry;
- To fill the gap between academia and industry with regard to demand and supply.

Duration: Min. 2 years; Max. 4 years

Fee: Rs.36,200/- per year

Total Credits: 80

Medium: English

Mode: ODL

Admission: January/July Cycle

Examination Mode: Annual

Eligibility:

Learners having Bachelor's degree in Science/
Pharmacy/ B.Tech-Biotech/
Agriculture/Veterinary/Nursing/Medical Laboratory
Technology/ Medical graduates with Physics,
Chemistry and Biology subjects at 10+2 level.

Major highlights of the programme:

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

Programme coordinators: Dr. M. Abdul Kareem and Dr Arvind Kumar Shakya.

Contact: abdul.kareem@ignou.ac.in, arvind.kumar@ignou.ac.in,

Tel: 011-2957-2809/2836/2834.

Admissions 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

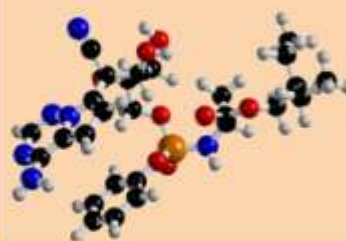
Medium of Instruction: English

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

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

Join

M.Sc. **GEOINFORMATICS** (MSCGI)



➤ **Duration** : Minimum 2 years and maximum 4 years

➤ **Eligibility** : Graduation in Science/ Engineering/ Technology/ Architecture/ Planning/ Computer Application/ Information Technology / Medical & Allied fields/ Geography/ Mathematics/ Statistics/ Economics/ Commerce/ Anthropology/ Archaeology/ Business Administration/ Management 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
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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

MSC IN MATHEMATICS WITH APPLICATIONS IN COMPUTER SCIENCE

OBJECTIVES OF THE PROGRAMME

- To emphasise the relevance and usefulness of Mathematics from the point to view of applications
- To equip the learners with core mathematical knowledge and training that is useful in application areas and for higher studies in Mathematics
- To develop a workforce that is equipped with the mathematical skills necessary in the changing industrial and economic scenario of the country
- To develop a work force in the emerging disciplines such as Mathematical Biology, Computational Mathematics etc
- To promote collaborative research with the Industry and other agencies

SALIENT FEATURES

- Worth 64 credits divided over four semesters
- Sound Mathematics background through courses tailored for applications
- Practical sessions for training in implementation of computer algorithms

ADMISSION PROCEDURE

- Twice a year in June and July
- Admission is online through the portal <https://ignouadmission.samarth.edu.in/>
- Fee of Rs. 6900/- (subject to change) to be paid while applying online

ELIGIBILITY

- B.Sc/BA Major/Honours degree holders in Mathematics
(or)
- B.Sc/BA degree holders who have studied three subjects with **Mathematics as one of the subjects** and with **equal weightage**

Semester 1

1. Programming and Data Structures
2. Linear Algebra
3. Real Analysis
4. Complex Analysis
5. Differential Equations and Numerical Solutions

Semester 2

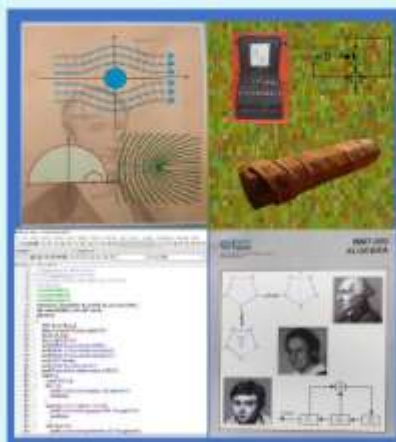
1. Algebra
2. Functional Analysis
3. Probability and Statistics

Semester 3

1. Mathematical Modelling
2. Graph Theory
3. Design and Analysis of Algorithms
4. Image Processing and Pattern Recognition
5. Computer Graphics

Semester 4

1. Coding Theory
2. Cryptography
3. Soft Computing
4. Project



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
- Exposed 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 and WEAS portal
- Audio and Video Resources for augmented learning.



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





Indira Gandhi National Open University
SCHOOL OF SCIENCES



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
Eligibility: B.A./B.Sc. in Statistics/
Mathematics
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



- Semester-wise NEP 2020 based
- After successful completion of 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

Admission Open for January 2024 Session

Master of Science (Zoology)(MSCZOO)



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. 14200/- per annum
Medium of Instruction: English
- Admission cycle: July and January
- Registration : Annual
- Study Materials: Print and Digital

Eligibility:

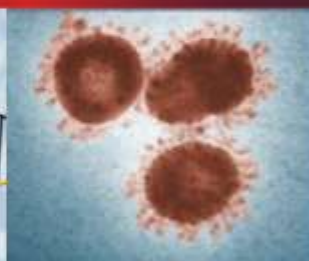
- ❖ The candidate should have passed the B.Sc. (Hons.)/B.Sc. (Major) in Zoology.
or
- ❖ B.Sc. (General/CBCS) with Zoology as one of the subjects.
- ❖ The reservation policy of GOI will be applicable.

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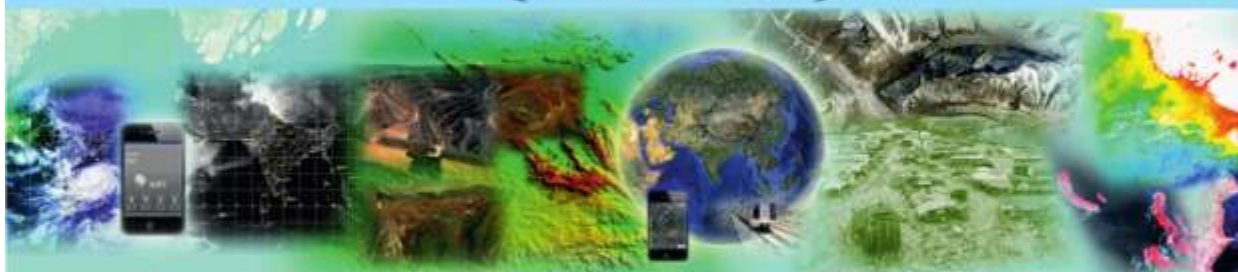
Programme Coordinators:
Prof. Neera Kapoor,
Dr. Siya ram
Email : msczo@ignou.ac.in
Ph. No.: 011-29572810/2842

Scan QR code





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

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For More Information Contact us:

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Thank You