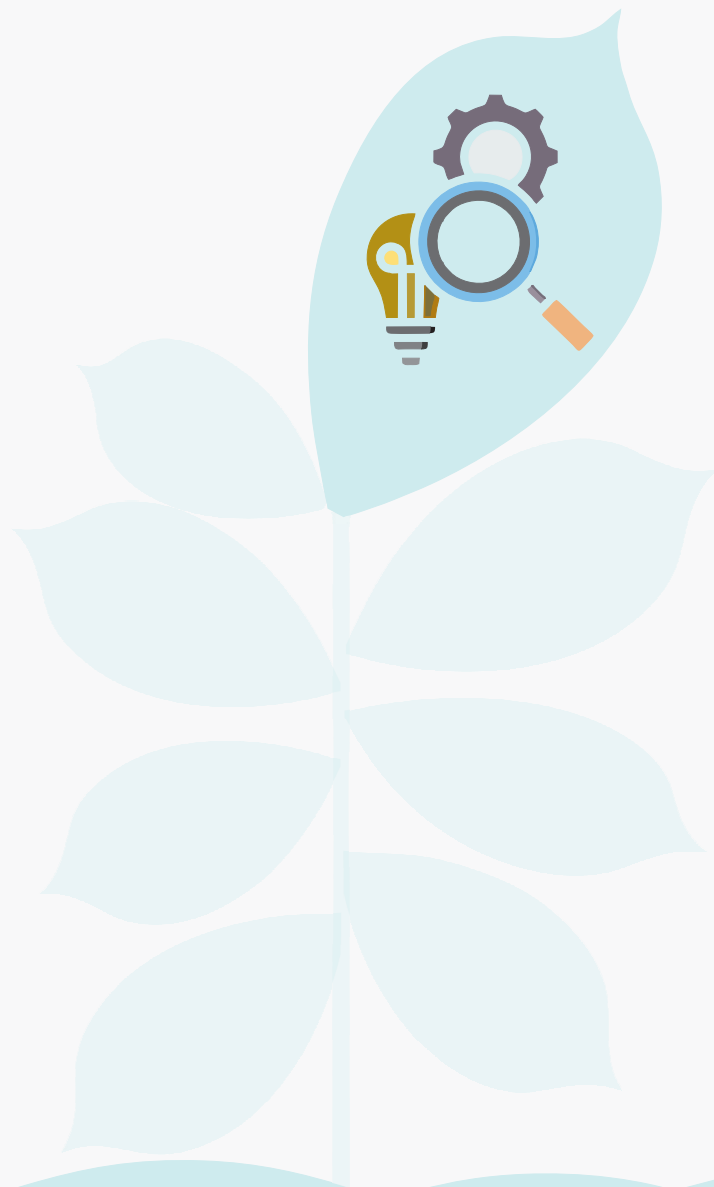


Research and Development



ANTHROPOLOGIST

An Anthropologist is interested in studying the origins, cultures, customs, and connections humans have with one another. They look at how people interact with each other, their environment, and the artifacts they create to understand why humans behave the way they do. They study these areas by researching, collecting, and evaluating information of humankind. They may focus on a specific area of interest within the field, such as cultural anthropology or archaeology. They use scientific methods to gather data about human cultures which includes observing social interactions, interviewing participants, and analyzing artifacts found at excavation sites.

PERSONALITY TRAITS

- You pay attention to details
- You have strong communication skills
- You appreciate and have an interest in knowing different cultures
- You like to analyze problems



The approx. course fee ranges between **INR 12,000 - 1,00,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in Humanities stream
 2. Complete Bachelor's degree in Arts (B.A.) in Anthropology followed by Master's degree in the same, and then complete PhD in Anthropology
- OR
- Complete Bachelor's degree (B.A./B.Sc.) in Social Sciences/Humanities, followed Master's degree in the same, and then complete PhD in Anthropology

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of an Anthropologist ranges between **INR 15,600 - 39,100*** or more per month.

Source - <https://bit.ly/3DmVh4X>

WHERE WILL YOU WORK?

Places of Work: Private and Government Colleges/Universities, Museums, Cultural Centres, Ministry of Information and Broadcasting.

Work Environment: You are expected to work outdoors during field work or in an office environment when writing reports or research papers. You may work full time or part time, on individual field work projects, or in a freelance capacity.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Archaeologist → Teacher, Self Employed

Search keywords...



archaeologist, pre-historian artefacts researcher

WHERE WILL YOU STUDY?

This course is offered by the Department of History/Archaeology

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Maharaja Sayajirao University of Baroda, Vadodara, Gujarat
2. Shyama Prasad Mukherjee Government Degree College, Allahabad
3. DVA Degree College, Varanasi, Uttar Pradesh
4. Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh
5. University of Madras, Chennai, Tamil Nadu
6. University of Calcutta, Kolkata, West Bengal
7. University of Lucknow, Lucknow, Uttar Pradesh
8. University of Mysore, Mysore, Karnataka

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. B.K. College of Arts Science and Commerce, Thane, Maharashtra
2. Institute of Archaeology, Archaeological Survey of India (ASI), New Delhi
3. Delhi Institute of Heritage Research and Management, New Delhi
4. Deccan College Postgraduate And Research Institute, Pune, Maharashtra
5. Janardan Rai Nagar Rajasthan Vidyapeeth University, Udaipur, Rajasthan

Information on Institute rankings is available at - <https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Nayanjot Lahiri is a historian and archaeologist of ancient India and a professor of history at Ashoka University. She was educated at St. Stephen's College, Delhi, and at the Department of History, University of Delhi. She taught at Hindu College and thereafter at the Department of History (University of Delhi) till 2015. She has served as Dean of Colleges at the University of Delhi from 2007 till 2010 and as Dean of International Relations from 2006 till 2007. She was previously on the faculty of the department of history at the University of Delhi. She is the winner of the 2013 Infosys Prize, in the humanities, for her work in archaeology and the 2016 awardee of the John F. Richards prize for her book *Ashoka in Ancient India*.*

Source - <https://www.ashoka.edu.in/profile/nayanjot-lahiri/>

**The above information is for training purposes only and will not be used for any commercial gains*

ARCHAEOLOGIST

An Archaeologist studies human history, especially the culture of historic and prehistoric people in particular, through discovery and exploration of ancient art, architectural relics, monuments and other materials. An Archaeologist undertakes fieldwork, excavation of sites to seek answers concerning the social habits, customs, religious practices, living conditions, etc.

PERSONALITY TRAITS

- You pay attention to details
- You show interest and curiosity in historical monuments
- You like to work outdoors
- You have strong research skills



The approx. course fee ranges between **INR 2,000 - 1,50,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream, preferably Humanities
2. Complete Bachelor's degree in Arts (B.A.) in History/Archaeology followed by Master's degree in Arts (M.A.) in Archaeology, and then complete PhD in a related subject
OR
Complete Bachelor's degree in Arts (B.A.) in History/Archaeology followed by Post Graduate Diploma in Archaeology

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of an Archaeologist ranges between **INR 8,000 - 80,000*** or more per month.

Source: <https://www.payscale.com/research/IN/Job=Historian/Salary>

WHERE WILL YOU WORK?

Places of Work: Private and Government Colleges/Universities, Museums, Cultural Centres, Ministry of Information and Broadcasting.

Work Environment: You are expected to work outdoors during field work or in an office environment when writing reports or research papers. You may work full time or part time, on individual field work projects, or in a freelance capacity.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Archaeologist → Teacher, Self Employed

Search keywords...



archaeologist, pre-historian artefacts researcher

WHERE WILL YOU STUDY?

This course is offered by the Department of History/Archaeology

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Maharaja Sayajirao University of Baroda, Vadodara, Gujarat
2. Shyama Prasad Mukherjee Government Degree College, Allahabad
3. DVA Degree College, Varanasi, Uttar Pradesh
4. Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh
5. University of Madras, Chennai, Tamil Nadu
6. University of Calcutta, Kolkata, West Bengal
7. University of Lucknow, Lucknow, Uttar Pradesh
8. University of Mysore, Mysore, Karnataka

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. B.K. College of Arts Science and Commerce, Thane, Maharashtra
2. Institute of Archaeology, Archaeological Survey of India (ASI), New Delhi
3. Delhi Institute of Heritage Research and Management, New Delhi
4. Deccan College Postgraduate And Research Institute, Pune, Maharashtra
5. Janardan Rai Nagar Rajasthan Vidyapeeth University, Udaipur, Rajasthan

Information on Institute rankings is available at - <https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Nayanjot Lahiri is a historian and archaeologist of ancient India and a professor of history at Ashoka University. She was educated at St. Stephen's College, Delhi, and at the Department of History, University of Delhi. She taught at Hindu College and thereafter at the Department of History (University of Delhi) till 2015. She has served as Dean of Colleges at the University of Delhi from 2007 till 2010 and as Dean of International Relations from 2006 till 2007. She was previously on the faculty of the department of history at the University of Delhi. She is the winner of the 2013 Infosys Prize, in the humanities, for her work in archaeology and the 2016 awardee of the John F. Richards prize for her book *Ashoka in Ancient India*.*

Source - <https://www.ashoka.edu.in/profile/nayanjot-lahiri/>

**The above information is for training purposes only and will not be used for any commercial gains*

ARCHIVIST

Archivists are responsible for assembling, cataloguing, preserving and managing valuable collections of historical information. Archivists work with a wide variety of public and private sector organisations, and, once qualified, may move between a variety of organisations, roles and specialisations. Archivists are information experts specifically educated to keep source data and assist individuals in obtaining it. Paper documents, photos, videos, and computer data are all handled by archivists.

PERSONALITY TRAITS

- You have good analytical skills
- You have good communication skills
- You have an eye for details



The approx. course fee ranges between **INR 3,000 - 1,50,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10+2 in Humanities
2. Complete Bachelor's degree (B.A.) in any of the Social Sciences or Library Science

OR

Complete Bachelor's degree, followed by Master's in the allied subject

OR

Pursue Diploma in Archives and Records Management

Please check the duration of the course during enrolment



EXPECTED INCOME

** These figures are indicative and subject to change*

The approx. salary of an Archivist ranges between **INR 40,000 - 44,047*** per month

Source: <https://bit.ly/3KEFdjy>

WHERE WILL YOU WORK?

Places of Work: Government agencies, Private authorities, Commercial business groups, Libraries, Educational institutes, Religious authorities, Museums, Historical conservatories

Work Environment: Organizations usually work for 5 to 6 days a week and 8 to 9 hours everyday. This may vary from organization to organization. Shift system may be available. Overtime may be required

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Helper → Archivist → Head Archivist

Search keywords... 

archivist, assistant archivist, documentation specialist

WHERE WILL YOU STUDY?

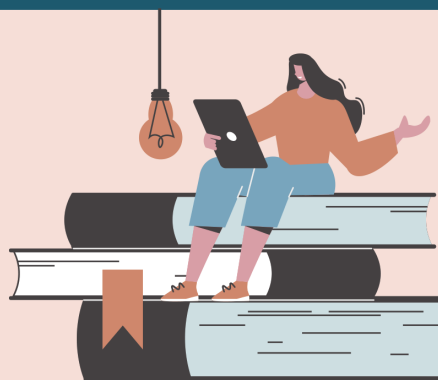
You can do your graduation and post graduation from any of the UGC recognised colleges in India.

This list of institutes is indicative only

Diploma, P.G. Diploma and Certificate courses in Archives and Records Management are offered at

1. School of Archival Studies, National Archives of India, New Delhi
2. Gujarat Vidyapith, Ahmedabad, Gujarat
3. The Gandhigram Rural Institute-Deemed to be University, Chinnalapatti, Tamil Nadu
4. Osmania University, Hyderabad, Telagana
5. Pondicherry University, Pondicherry, Tamil Nadu
6. Maharshi Dayanand Saraswathi University, Ajmer, Rajasthan
7. Annamalai University, Tamil Nadu

Information on the institute rankings can be found at -
<https://www.nirfindia.org/Rankings/2023/Ranking.html>



ASTROPHYSICIST

Astrophysicists or Astronomers are scientists who specialize in studying space, stars, planets, and the universe. Their responsibilities include analysis of data and statistics, archiving, plotting, logging, evaluating and reporting the results of the research. They may have to coordinate data received from various satellites and telescopes, and use theoretical models to compare this data and align images.

PERSONALITY TRAITS



- You enjoy Science
- You would like to take up a course related to Physics
- You can use a computer to solve a scientific problem



The approx course fee ranges between **INR 5,000 - 5,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in Science (Physics, Chemistry and Maths)
2. Complete a Bachelor's degree (B.Sc.) in Physics

OR

Complete a Bachelor's degree followed by a Master's degree (M.Sc.) and Ph.D. in Astronomy and Astrophysics

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of an Astrophysicist ranges between **INR 1,00,000 - 2,00,000*** per month.

Source: <https://www.salaryexpert.com/salary/job/physicist-astrophysics/india>

WHERE WILL YOU WORK?

Places of Work: Public and Private Research and Observation Centres

Work Environment: It is not a desk job. You will not handle a team. Local travel is a part of this job role. Part-time work and contractual jobs may be available. Organizations usually work for 5 to 6 days a week and 8 to 9 hours every day. This may vary from organization to organization. Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Junior Researcher → Astrophysicist → Head of Department

Search keywords...



astrophysics, astronomers, astrophysicists

WHERE WILL YOU STUDY?

This course is offered by the Department of Physics/Astrophysics.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Indian Institute of Science, Bengaluru
2. National Institute of Technology, Rourkela
3. Osmania University, Hyderabad
4. Punjabi University, Patiala
5. Indian Institute of Technology, Indore
6. Tata Institute of Fundamental Research, Mumbai
7. St Xavier's College, Ahmedabad
8. Indian Institute of Technology, Kanpur
9. Any recognised University in India

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Loyola College, Chennai
2. Mar Ivanios College, Thiruvananthapuram
3. St Joseph's College, Bengaluru
4. PSG College of Arts and Science, Coimbatore
5. KJ Somaiya College of Science and Commerce, Mumbai
6. Dr DY Patil Arts Commerce and Science College, Pune
7. St Thomas College, Thrissur
8. St Teresa's College, Ernakulam

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>



DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Annapurni Subramaniam is currently the director at Indian Institute of Astrophysics, Bangalore. She has a BSc and MSc from Calicut University. She completed her PhD at IIA, Bangalore. She is known for her work in areas like star clusters, star formation, galactic structure, stellar population in galaxies and Magellanic clouds*.

Source: <https://www.iiap.res.in/IIA50/sites/default/files/Women-Astronomers-IIA.pdf>

**The above information is for training purposes only and will not be used for any commercial gains*

BACTERIOLOGIST

A Bacteriologist is a specialized scientist who studies bacteria and other microorganisms. Bacteriologists study the effect bacteria have on humans and animals, and try to understand their nature better and eventually use them for human benefit.

PERSONALITY TRAITS

- You have an interest in Microbiology
- You like to analyse problems/situations
- You pay attention to details while working



The approx. course fee ranges between **INR 7,200 - 3,21,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Biology)
2. Complete a Bachelor's degree (B.Sc.) in Biology/Microbiology/Biochemistry/Cell Biology

OR

Complete a Bachelor's degree followed by a Master's degree (M.Sc.) in the same or related field

OR

Complete an MBBS degree, followed by an M.D. in Microbiology/ Medical Genetics/ Molecular Pathology/ Molecular Genetic Pathology/ Biochemistry

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are indicative and subject to change*

The approx. salary of a Bacteriologist ranges between **INR 75,000-1,32,000*** per month.

Source: <https://www.salaryexpert.com/salary/job/bacteriologist/india>

WHERE WILL YOU WORK?

Places of Work: Government and Private Hospitals/Laboratories, Plantations, Agricultural Farms, Agricultural Research Organizations and so on

Work Environment: It is not a desk job. You may need to handle a team of laboratory workers and helpers. Local travel is not a part of this job role. Part-time work and contractual jobs may be available. You are likely to have regular work hours. Organizations usually work for 5 to 6 days a week and 9 to 10 hours every day. This may vary from organization to organization. Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Bacteriology Intern → Lab Technician/
Junior Bacteriologist → Bacteriologist →
Senior Bacteriologist → Head of Department,
Bacteriology → Dean/CEO/
Medical Director

Search keywords...



bacteriologist, bacteriology, microbiologist

WHERE WILL YOU STUDY?

This course is offered by the Department of Microbiology.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. All India Institute of Medical Sciences, New Delhi
2. Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry
3. King George's Medical University, Lucknow
4. Annamalai University, Chidambaram, Tamil Nadu
5. Uttar Pradesh University of Medical Sciences, Saifai, U.P.
6. Chhatrapati Shahu ji Maharaj University, Kanpur, U.P.
7. All India Institute of Medical Sciences, Rishikesh
8. Sher-I-Kashmir Institute of Medical Sciences, Srinagar, Jammu and Kashmir

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC and AICTE before applying)

1. Shree Guru Gobind Singh Tricentenary University, Gurugram, Haryana
2. Manipal Academy of Higher Education, Bengaluru Karnataka,
3. Krishna Institute of Medical Sciences, Malkapur, Maharashtra
4. Dayananda Sagar University, Bangalore, Karnataka
5. Singhania University, Jhunjhunu, Rajasthan
6. Amity University, Noida, Uttar Pradesh
7. Adamas University, Kolkata, West Bengal
8. Parul University, Vadodara, Gujrat

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

**NPTEL- National Programme in Technology Enhanced Learning. It is by the Government of India and offers a variety of courses in an audio - video form*

EXAMPLE FROM THE FIELD

Meenakshi Banerjee is a Cyanobacteriologist who is currently stationed as the Head of the Center for Applied Algal Research at Rice University in Houston, Texas. She completed her Bachelor's degree at Women's College, Banaras Hindu University, where she studied Botany. She then completed her Master's in Botany from the same college. She did her Ph.D. from Barkatullah University, Bhopal, where she went on to become the Head of the BioScience Department. She has received various awards, including the Dr. K.N. Katju State Level Science Award in 2010.*

Source : https://www.ias.ac.in/public/Resources/Initiatives/Women_in_Science/Contributors/meenakshibanerjee.pdf

*The above information is for training purposes only and will not be used for any commercial gains

BOTANIST

A Botanist studies plants and is primarily concerned with research into their structure, properties, and biochemical processes. They use this knowledge to develop and promote environmental protection programs, improve plant growing techniques and identify and extract plant products used in medicines, food, fabrics and other products.

PERSONALITY TRAITS

- You like working outdoors
- You like to do experiments
- You like Science and Maths



The approx. course fee ranges between **INR 45,000 -1,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Biology)
2. Complete a Bachelor's degree (B.Sc.) in Botany

OR

Complete a Bachelor's degree followed by a Master's degree in the same or related subject

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx salary of a Botanist ranges between from **INR 16,166-83,333*** per month.

Source: <https://www.payscale.com/research/IN/Job=Botanist/Salary>

WHERE WILL YOU WORK?

Places of Work: Private Research Laboratories, Biotechnology Firms, Pharmaceutical Companies, Colleges and Universities, Chemical Industry among others

Work Environment: The job requires physical activity. You need not handle a team. Local travel is a part of this job role. Part-time work and contractual jobs are available. Organizations usually work for 5 to 6 days a week and 9 to 10 hours every day. This may vary from organization to organization

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Trainee → Botanist → Senior Botanist → Lead Researcher

Search keywords...



botanist, plant scientist, plant researcher

WHERE WILL YOU STUDY?

The course is offered by the Department of Botany. This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. St Xavier's College, Ahmedabad, Gujrat
2. Hindu College, Delhi
3. Government Arts College, Coimbatore, Tamil Nadu
4. Farook College, Kozhikode, Kerala
5. Osmania University College For Women, Hyderabad, Telangana
6. Maharaja's College, Ernakulam, Kerala
7. Government Holkar Science College, Indore, M.P.
8. Scottish Church College, Kolkata, West Bangal

PRIVATE INSTITUTES

(Please check if the Institute is affiliated and accredited with UGC before applying)

1. Fergusson College, Pune, Maharashtra
2. Mount Carmel College, Bangalore, Karnataka
3. PSG College of Arts and Science, Coimbatore, Tamil Nadu
4. Ramnarain Ruia College, Mumbai, Maharashtra
5. Mar Ivanios College, Nalanchira, Kerala
6. Sir Parashurambhau College, Pune, Maharashtra
7. St Joseph's College, Bangalore, Karnataka
8. K J Somaiya College of Science and Commerce, Mumbai

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD



Janaki Ammal is a well-known Botanist. Her work primarily focused on cytogenetics, phyto-geography, and plant breedings. She obtained an Honours degree in Botany from the Presidency College and then moved to the University of Michigan in 1924, obtaining a Master's degree in Botany in 1926 on a Barbour Scholarship. She received the Padma Shri in 1977, and was credited for her efforts in improving indigenous sugarcane variety. She also helped in the analysis of the geographical distribution of sugarcane across the country. Ammal lived and worked in the Centre's Field Laboratory at Maduravoyal until her death in February 1984.*

Source: <https://www.thefamouspeople.com/indian-botanists.php>

**The above information is for training purposes only and will not be used for any commercial gains*

CHILD DEVELOPMENT SPECIALIST

A Child Development Specialist is an expert in identifying the traits, symptoms, and patterns particular to children who suffer from various developmental and psychological disorders. They evaluate their educational needs and issues. They give advice to parents and educators accordingly.

PERSONALITY TRAITS

- You have a strong desire to heal others
- You are comfortable with children
- You pay attention to details
- You have strong communication skills



The approx. course fee ranges between **INR 3,000 - 1,00,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream
2. Complete Bachelor's degree in Arts (B.A.) in Early Childhood Education/Child Development /Child Psychology followed by Master's degree in Arts (M.A.) in Child Development or related field

OR

Complete Bachelor's in Arts (B.A.) in Early Childhood Education/Child Development/Child Psychology followed by Master's degree in Arts (M.A.) in Child Development or related field, and then complete PhD in Child Development or related field

OR

Complete Diploma in Early Childhood Education followed by P.G. Diploma in Early Childhood Education

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Child Development Specialist ranges between **INR 50,000 - 1,00,000*** or more per month.

Source: <https://www.salaryexpert.com/salary/job/child-development-specialist/india/bangalore>

WHERE WILL YOU WORK?

Places of Work: Preschool or Elementary School, Private or Government Agencies and Institutions, NGOs, Public and Private schools, Child Care Centers, Head Start programs, Family Child Care Homes, Social Service Agencies, Hospitals, Clinics, Private Practices.

Work Environment: You are likely to in a variety of settings depending on where you are employed. You may work full time or part time, and some may work evenings or weekends. You will typically work with children from birth to age 5, or may work with school-age children, adolescents, and families.

EXPECTED GROWTH PATH



Program Coordinator → Program Specialist → Program Manager → Assistant Director → Associate Director

Search keywords...



child development specialist, child life specialist

WHERE WILL YOU STUDY?

The course is offered by the Department of Early Childhood Care and Development

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Centre for Early Childhood Education and Development (CECED), Ambedkar University, New Delhi
2. Jadavpur University, Kolkata, West Bengal
3. Lady Irwin College, New Delhi
4. Centre for Early Childhood Development and Research, Jamia Millia Islamia, New Delhi
5. University of Delhi, New Delhi
6. St. Teresa's College, Kochi, Kerala
7. Maharaja Sayajirao University of Baroda, Vadodara, Gujarat

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Azim Premji University, Bengaluru, Karnataka
2. Bombay Teachers' Training College, Mumbai, Maharashtra
3. Jaipur National University, Jaipur, Rajasthan
4. Amity University, Noida, Uttar Pradesh

Information on Institute rankings is available at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD



Dr. Monimalika Day is an Associate Professor at the School of Education Studies (SES), Ambedkar University Delhi. She completed her Ph.D. from the University of Maryland. She has been involved in several research projects to improve developmental outcomes of young children from marginalised communities, through parenting programmes and preschool education. She began her career in Kolkata at Calcutta Rescue and was instrumental in setting up a drop in center for 300 children, who lived with their families on the streets. Later, she took up a part time position at Manovikas Kendra and helped establish a hospital based programme for young children with disabilities.*

Source - <https://aud.ac.in/faculty/dr-monimalika-day>

**The above information is for training purposes only and will not be used for any commercial gains*

CRIMINOLOGIST

Criminology is the study of crime and deviant behaviour. It deals with understanding the root cause of the crime and its effective prevention. A Criminologist studies crime and society's response to crime. They conduct research and investigations, collect and analyze qualitative and quantitative data surrounding crime, ultimately providing insights and solutions to prevent crime in a community. Criminologists work closely with the police and policymakers to offer suggestions on policing strategies and proactive

PERSONALITY TRAITS

- You pay attention to details
- You have strong communication skills
- You like to analyze problems
- You have an interest in understanding society and culture



The approx. course fee ranges between **INR 1,800 - 12,43,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream
2. Complete Bachelor's degree in Arts (B.A.) in Criminology, followed by Master's degree in Criminology and then complete a PhD in Criminal Justice

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Criminologist ranges between **INR 16,000 - 45,000*** or more per month.

Source: <https://www.payscale.com/research/IN/Job=Criminologist/Salary>

WHERE WILL YOU WORK?

Places of Work: NGO's, Investigation Agencies, Projects for BPR&D and UNDP.

Work Environment: You will typically work in an office environment, but might travel occasionally.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Intern → Criminologist → Senior Criminologist

WHERE WILL YOU STUDY?

This course is offered by the Department of Criminology/Sociology

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Maharaja's College, University of Mysore, Mysore
2. Guru Gobind Singh Indraprastha University, Delhi
3. Patna University, Patna
4. Karnataka University, Dharwad
5. Sardar Patel University of Police, Security and Criminal Justice, Jodhpur
6. University of Lucknow, Lucknow
7. National Forensic Sciences University, Gandhinagar
8. Bangalore University, Bengaluru

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Karuna Institute of Technology and Sciences, Coimbatore
2. Institute of Research Technology and Management, Thane
3. Mansarovar Global University, Bhopal
4. William Carey University, Shillong
5. Chhatrapati Shivaji Maharaj University, Navi Mumbai
6. Lloyd Law College, Greater Noida
7. Acharya Institute of Graduate Studies (AIGS), Bangalore
8. O.P. Jindal Global University (JGU), Sonapat

Information on Institute rankings is available at - <https://www.nirfindia.org/Rankings/2023/Ranking.html>

Search keywords...



criminology, criminologist

EXAMPLE FROM THE FIELD



Professor R Rochin Chandra is Director, Center for Criminology & Public Policy, where he works as Chief Criminologist. Before this, he was working with the Rajasthan Prisons Department on an ex-cadre post. While there, he was responsible for training and capacity building of correctional officials, and reviewing the prison rehabilitation policies. Rochin has also worked with the Counter Trafficking Group (Colorado, US), International Justice Mission (Chennai), South Asian Society of Criminology & Victimology, Tata Institute of Social Sciences and UNICEF on key policy issues.*

Source: <http://ccppindia.org/people/>

**The above information is for training purposes only and will not be used for any commercial gains*

CURATOR

Curators keep and maintain collections for institutions including museums, universities, or government facilities and tend to the various items and many types of objects found within their collections, which could be items including historical artifacts, sports memorabilia, or works of art. As preservationists, Curators care for important items, documents, and entire collections that include historical transcripts, artwork, photography, and other important historical or artistic things.

PERSONALITY TRAITS

- You pay attention to details
- You have written and verbal communication skills
- You have an interest and knowledge of history
- You like to work in team



The approx. course fee ranges between **INR 2,400 - 2,67,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in Humanities with History as a subject
2. Complete Bachelor's degree in Arts (B.A.) in History/Fine Arts/Archaeology followed by Master's degree in Arts (M.A.) in Archaeology or related field

OR

Complete Bachelor's degree in Arts (B.A.) in History/Fine Arts/Archaeology followed by PG Diploma in Curational Studies

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Curator ranges between **INR 13,000 - 80,000*** or more per month.

Source - <https://www.payscale.com/research/IN/Job=Curator/Salary>

WHERE WILL YOU WORK?

Places of Work: Museums, Galleries, Universities, or any organization that has a valuable collection requiring care by someone with expertise in a particular field.

Work Environment: You will typically work full time, and at times, you may work more than 40 hours per week to meet deadlines or to coordinate with other museum staff. You may also travel to attend professional meetings, conferences, and workshops or to conduct research.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Helper → Archivist → Curator (Museum)
→ Head Curator

Search keywords...



archivist, art curator, museum curator

WHERE WILL YOU STUDY?

This course is offered by the departments of History/Museology/Archaeology

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. University of Calcutta, Kolkata, West Bengal
2. Banaras Hindu University, Varanasi, Uttar Pradesh
3. Jiwaji University, Gwalior, Madhya Pradesh
4. Maharaja Sayajirao University of Baroda, Vadodara, Gujarat
5. National Museum Institute, New Delhi
6. University of Delhi, New Delhi
7. Sir JJ School of Art, Mumbai, Maharashtra
8. Institute of Archaeology, Archaeological Survey of India, New Delhi

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. St. Xavier's College, Ranchi, Jharkhand
2. Madras Christian College, Chennai, Tamil Nadu
3. Fergusson College, Pune, Maharashtra
4. St. Xavier's College, Kolkata, West Bengal
5. Christ University, Bengaluru, Karnataka
6. Banasthali Vidyapith, Jaipur, Rajasthan
7. Andhra Loyola College, Vijaywada, Andhra Pradesh
8. Wilson College, Mumbai, Maharashtra

Information on Institute rankings is available at -
<https://www.nirfindia.org/Rankings/2023/Ranking.html>

SHORT-TERM COURSES

Post Graduate Diploma in Modern & Contemporary Indian Art & Curatorial Studies - Dr. Bhau Daji Lad Mumbai City Museum

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Tasneem Zakaria Mehta is an art historian, curator, designer, and cultural activist. Mehta studied English literature at Delhi University, followed by a fine arts degree from Sir JJ School of Art, Mumbai, and a Master's in liberal arts from Columbia University, New York. She is the Managing Trustee and Honorary Director of Dr. Bhau Daji Lad Museum, Mumbai. It was her efforts that transformed Mumbai's Dr Bhau Daji Lad Museum into one of the country's most buzzy and contemporary spaces for Indian art.*

Source - <https://www.education.artindiamag.com>

**The above information is for training purposes only and will not be used for any commercial gains*

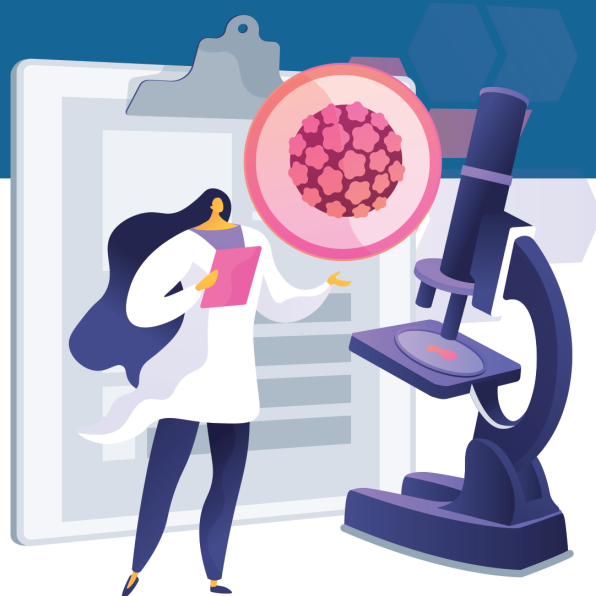
CYTOLOGIST/CYTOTECHNOLOGIST

Cytology is the branch of biology that deals with the structure, function, multiplication, pathology, and life history of cells. A cytologist is one who specializes in cytology.

PERSONALITY TRAITS



- You have an interest in Science
- You like to analyse problems/situations
- You pay attention to details



The approx. course fee ranges between **INR 15,000 - 2,25,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in Science stream (Physics, Chemistry and Biology)
2. Complete Bachelor's degree (BSc) in Biology/Life Sciences or related subject
OR
Complete a Bachelor's degree followed by a Master's degree and PhD in the same or related field

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Cytotechnologist ranges between **INR 44,000 - 77,000*** and above per month.

Source: <https://www.salaryexpert.com/salary/job/cytotechnologist/india>

WHERE WILL YOU WORK?

Places of Work: Colleges and Universities, Research Laboratories, Pathology Laboratories, Food Production Companies, Agricultural Research Agencies and Firms among others.

Work Environment: It requires physical activity. Local travel is a part of this job role. Part-time work and contractual jobs are available. Organizations usually work for 5 to 6 days a week and 9 to 10 hours every day. This may vary from organization to organization. Shift system may be available.

Opportunities for work exist for differently abled in this

EXPECTED GROWTH PATH

Trainee → Cytologist → Senior Cytologist
→ Lead Researcher

Search keywords...



cytologist, cell biologist, cytotechnologist

WHERE WILL YOU STUDY?

The course is offered by the Department of Life Science.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Miranda House, New Delhi
2. Hansraj College, New Delhi
3. Loyola College, Chennai, Tamil Nadu
4. Presidency College, Chennai, Tamil Nadu
5. St Joseph's College, Bangalore, Karnataka
6. Nizam College, Hyderabad, Telangana
7. Jai Hind College, Mumbai, Maharashtra
8. National Institute of Technology, Rourkela, Odisha

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC before applying)

1. St. Xavier's College, Mumbai, Maharashtra
2. Women's Christian College, Chennai, Tamil Nadu
3. Shivaji College, New Delhi
4. Indore Public School Academy, Indore, Madhya Pradesh
5. Amity University, Noida, Uttar Pradesh
6. MES College of Arts, Commerce & Science, Bengaluru
7. Rabindranath Tagore University, Bhopal, Madhya Pradesh
8. Dr. C.V. Raman University, Bilaspur, Chhattisgarh

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Professor Arun Kumar Sharma was an eminent scientist and the founder programme coordinator of the University Grant Commission Centre of Advanced Study in Cell and Chromosome Research in University of Calcutta. An acclaimed cytogeneticist, Sharma had several distinguished professional honours to his credit including the Shanti Swarup Bhatnagar Prize of the Council of Scientific and Industrial Research and the third highest civilian Award Padma Bhushan.*

Source: <https://link.springer.com/article/10.1007/s13237-017-0226-3>

**The above information is for training purposes only and will not be used for any commercial gains*

DATA COLLECTOR OR FIELD SURVEY ENUMERATOR

A Data Collector or Field Survey Enumerator collects or verifies data or documents from households/enterprises/establishments. They are responsible for conducting socio-economic surveys with the help of hand-held devices/laptops and for creating a blueprint consisting of survey concepts, definitions, procedures, instructions and so on as per guidelines received from multiple clients. A Data Collector works on a regular, contractual or commission basis.

PERSONALITY TRAITS

- You like to pay attention to details while working
- You are comfortable communicating with others
- You like to analyse problems/ situations
- You are comfortable working with a team



EDUCATIONAL PATHWAY

Minimum Qualification

After completing class 10 and being 18 years of age you can enrol for National Skills Qualification Framework (NSQF)* level 4 - Data Collection or Field Survey Enumeration Training.

**NSQF is a nationally integrated education and competency-based framework that enables person to acquire desired competency levels in a chosen field. NSQF includes vocational education, vocational training, general education and technical education which prepares an individual for the job market with competent skills. An individual may return at any time to upgrade skills after gaining experience*



EXPECTED INCOME

**These figures are taken from NCS and are indicative and subject to change*

The approx. salary of a Data Collector/ Field Survey Enumerator ranges between **INR 10,250 - 17,000*** per month.

Source - <https://www.ambitionbox.com/profile/enumerator-salary>



A majority of government schemes are free



SCHOLARSHIPS

- Visit the **National Scholarship Portal** for details on ITI registered with NSP: scholarships.gov.in/fresh/onlineInstituteSearchIndex
- Visit **buddy4study.com** for details on scholarships for ITI/Vocational Training: buddy4study.com/article/iti-scholarships
(Availability of these scholarships can vary from time to time)

WHERE WILL YOU WORK?

Places of Work: NGOs, Data collection unit, Research Agencies and so on.

Work Environment: You have to work for at least 8 to 9 hours and for 5 to 6 days a week. Shift duties may be there. Overtime is common.

Opportunities for work exist for differently abled in this field

Search keywords...



data collector, field survey enumerator, survey jobs

EXPECTED GROWTH PATH



Assistant Data Collector/ Field Survey Enumerator → Data Collector/ Field Survey Enumerator → Field Analyst → Lead Enumerator

WHERE WILL YOU STUDY?

GOVERNMENT INSTITUTES

1. Delhi School of Economics, University of Delhi, Delhi
2. Tata Institute of Social Sciences (TISS), Mumbai
3. Jawaharlal Nehru University, New Delhi
4. University of Mumbai, Mumbai
5. Any recognised University in India



356

EXAMPLE FROM THE FIELD



Shaila Mahalamani is a 39-year-old woman from Belgaum in North Karnataka who works in Bangalore as an enumerator for Good Business Lab (GBL). Her role involves working in the field and conducting surveys to help generate data for research. She has worked at GBL for the last four years, but her career started nearly 18 years ago, after her daughter was born. At the age of 17, she was married off to an older man who expected her to sit at home and manage the house. She didn't want her daughter's life to go the same way whom she wanted to enrol in an English medium school and have a good future. Initially she worked as a teacher in a local school, and later took on the role of an enumerator. Under the pressure of her family, she left her job and tried her hand at stitching before deciding to rejoin as an enumerator. She moved to Bangalore and has been working there ever since. She then got promoted from an enumerator to a field analyst, and now works on two to three projects at a time.*

Source - idronline.org/features/gender/one-survey-at-a-time-the-challenges-of-being-a-woman-enumerator/

**The above information is for training purposes only and will not be used for any commercial gains*

DEMOGRAPHER

Demography is the science of populations. Demographers seek to understand population dynamics by investigating three main demographic processes: birth, migration, and aging (including death). Most of the discipline's research focuses on humans, but there is for example the specialized field of biodemography, too.

PERSONALITY TRAITS

- You like to analyze things (problems/situations)
- You pay attention to details
- You like to get into discussions about issues



The approx. course fee ranges between **INR 25,000 - 3,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream
 2. Complete a Bachelor's degree (BA/BSc) in Population Studies or Demography/Anthropology/ Sociology/Statistics/Economics or Social Sciences
- OR**
- Complete a Bachelor's degree followed by a Master's degree (MSc/MA) and PhD in the same or related field

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are indicative and subject to change*

The approx. salary of a Demographer ranges between **INR 70,000 - 1,28,000*** and above per month

Source: <https://www.salaryexpert.com/salary/job/demographer/india>

WHERE WILL YOU WORK?

Places of Work: Environmental Protection Agencies, Census Bureau, Market Research Organizations, Private Manufacturing Companies etc

Work Environment: Local travel is a part of the job role. Part-time work and contractual jobs may be available. Organizations usually work for 5 to 6 days a week and 8 to 9 hours every day. This may vary from organization to organization. Shift system may be available. You may have to put in extra hours when the need arises

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Intern → Junior Demographer →
Demographer → Senior Demographer

Search keywords...



demographer, enumerator, demography expert

WHERE WILL YOU STUDY?

The course is offered by Department of Population Studies.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Barkatullah University, Bhopal
2. Gurucharan University, Silchar
3. Annamalai University, Chidambaram
4. University of Lucknow, Lucknow
5. Sri Venkateswara University, Tirupati
6. Rani Durgavati Vishwavidyalaya, Jabalpur
7. Vikram University, Ujjain
8. Fakir Mohan College, Balasore

PRIVATE INSTITUTES

(Please check if the Institute is affiliated and accredited with UGC before applying)

1. Gujarat Vidyapith, Ahmedabad
2. Salipur Autonomous College, Cuttack
3. Ekamra College, Bhubaneswar
4. Dehradun Institute of Technology, Dehradun

Information on Institute rankings is available at -
<https://www.nirfindia.org/Rankings/2023/Ranking.html>



EXAMPLE FROM THE FIELD



Professor P.M. Kulkarni is a Demographer and a retired professor of Population studies at JNU University, New Delhi. He obtained his PhD degree in Statistics from the Colorado State University and was a Postdoctoral Fellow at the Brown University. He has served on advisory committees of the Census of India, various Universities, Research Institutes, Government Departments, and International Organizations.*

Source: <https://www.asianpa.org/104-biosketches/258-purushottam-m-kulkarni.html>

**The above information is for training purposes only and will not be used for any commercial gains*

ECOLOGIST

Ecologists study the relationship between plants, animals and their environment. The aim of their work could range from balancing the needs of the environment to coming up with ideas for land management. As an ecologist, you would normally specialise in a particular type of environment, for example marine or coastal areas, or a specific animal or plant species.

PERSONALITY TRAITS



- You enjoy Science
- You have strong communication skills
- You like to analyze and solve problems
- You like to work in a team



The approx. course fee ranges between **INR 50,000 - 2,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Biology)
2. Complete Bachelor's degree (BSc) in Life Sciences/Biology or any other related subject

OR

Complete Bachelor's degree followed by a Master's degree (MSc) in Ecology or a related Field.

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of an Ecologist ranges between **INR 44,000 - 80,000*** per month.

Source: <https://www.salaryexpert.com/salary/job/ecologist/india>

WHERE WILL YOU WORK?

Places of Work: Research organizations, Forest Departments, Agricultural Research Departments and Centres and others.

Work Environment: It is not a desk job. You are likely to handle a team of junior ecologists. Local travel is a part of the job role. Part-time work and contractual jobs may be available. Organizations and institutes usually work for 5 to 6 days a week and 9 to 10 hours every day. This may vary from organization to organization. Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Junior Ecologist → Ecologist → Senior Ecologist → Head of the Department

Search keywords... 

environmental biologist, plant ecologist, animal ecologist

WHERE WILL YOU STUDY?

This course is offered by the Department of Agricultural Sciences. This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Assam University, Silchar, Asam
2. University of Rajasthan, Jaipur, Rajasthan
3. Banaras Hindu University, Varanasi, Uttar Pradesh
4. University of Delhi, New Delhi
5. Annamalai University, Chidambaram, Tamil Nadu
6. University of Calcutta, West Bengal
7. Indian Institute of Science, Bangalore, Karnataka
8. University of Agricultural Sciences, Dharwad, Karnataka

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC before applying)

1. Hindustan Institute of Technology and Science, Chennai, Tamil Nadu
2. Veermata Jijabai Technological Institute, Mumbai
3. Singhania University, Jhunjhunu, Rajasthan (Diploma)
4. Amity University, Noida, Uttar Pradesh
5. St. Xavier's College, Ahmedabad, Gujrat
6. College Of Engineering, Pune, Maharashtra
7. Sri Ramaswamy Memorial (SRM) University, Chennai
8. Manipal Institute of Technology, Manipal, Karnataka

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

EXAMPLE FROM THE FIELD

Kartik Shanker is an ecologist and a professor at Indian Institute of Science, Bangalore. He is the author of the book *Soup to Superstar: The Story of Sea Turtle Conservation along the Indian Coast*. He has done his Bachelor's and Master's in Zoology from Madras Christian College and University of Madras, respectively, and PhD from IISc on small mammals.

Source: https://nanopdf.com/download/on-sea-turtles-centre-for-ecological-sciences_pdf

The above information is for training purposes only and will not be used for any commercial gains

ECONOMIST

Economists study people and their choices to understand why they make certain decisions. They have a thorough understanding of how the economy works. The role of an economist includes giving economical and financial advice to businesses, companies, brands or even the government. They are also responsible for evaluating the company's business stance and give strategy suggestions keeping in mind economic outlook. They guide governments and organisations in making financial decisions in order to improve the country's economy.

PERSONALITY TRAITS

- You are comfortable in handling numbers and data
- You have strong communication skills
- You pay attention to details
- You have a good grasp of mathematics, economics and accounting



The approx. course fee ranges between **INR 5,000 - 1,00,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

- **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

- Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

- Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

- VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

- Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

- All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream (preferably Commerce) with Mathematics as a subject
2. Complete Bachelor's degree in Arts (B.A.) in Economics, followed by a Master's degree in Economics and then complete a PhD in the same or related discipline

OR

Complete a Bachelor's degree in Management Studies (BMS)/Business Administration (BBA) in Economics followed by a Master's degree in Business Administration (MBA) in Business Economics

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of an Economist ranges between **INR 16,000 - 1,60,000*** or more per month.

Source - <https://www.payscale.com/research/IN/Job=Economist/Salary>

WHERE WILL YOU WORK?

Places of Work: Government and Private Banks, Finance Companies, Global Firms, Government and Private Colleges/Universities, NGOs, Government and Private Companies

Work Environment: You will typically work independently in an office. You are likely to collaborate with other economists and statisticians, sometimes working with teams. You may be required to travel as part of the job.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Assistant Economist → Economist → Chief Economist
OR
Assistant Economist → Economist → Teacher/Professor

WHERE WILL YOU STUDY?

The course is offered by the Department of Economics

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Miranda House, University of Delhi, New Delhi
2. Shri Ram College of Commerce, New Delhi
3. Hindu College, New Delhi
4. Lady Brabourne College, Kolkata
5. New College Institute of Management, Chennai
6. Jadavpur University, Kolkata
7. Jamia Millia Islamia, New Delhi
8. Delhi School of Economics, New Delhi

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Fergusson College, Pune
2. Loyola College, Chennai
3. St. Xavier's College, Kolkata
4. St. Andrews College of Arts Science and Commerce, Mumbai
5. PSG College of Arts and Science, Coimbatore
6. Rani Birla Girls' College, Kolkata
7. St. Joseph's College, Bengaluru
8. Jyoti Nivas College, Bengaluru

Information on Institute rankings is available at - <https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

Search keywords...



business analyst, financial expert, economist

EXAMPLE FROM THE FIELD



Gita Gopinath is one of the top names among women economists worldwide. She is the first Economist to be serving as managing director of the International Monetary Fund (IMF) since January 2022. Prior to this, she served as the chief economist of IMF between 2019 and 2022. She completed her bachelors from Lady Shri Ram College, University of Delhi and went on to pursue a master's from Delhi School of Economics.*

Source: <https://www.shethepeople.tv/shestars/five-indian-women-economists>

**The above information is for training purposes only and will not be used for any commercial gains*

ENGINEERING PHYSICIST

Engineering Physicists work to combine Engineering, Physics, and Math in an effort to bridge the gap between theoretical science and practical engineering. They use scientific and engineering principles to solve problems and develop new processes, products and technologies.

PERSONALITY TRAITS



- You are creative
- You like solving problems
- You enjoy to figure out how things work
- You love Maths and Science



SCHOLARSHIPS

• **Kishore Vaigyanik Protsahan Yojana Scholarship** - This scholarship is provided to students enrolled in the first year of their engineering undergraduate course. Eligibility includes an aptitude test. It is awarded by the Government of India for economically backward students who have a strong aptitude for scientific research.*

• **Merit-cum-Means based Scholarship** - About 20,000 such engineering scholarships are awarded by the Ministry of Minority Affairs every year. The full course fees of awardees is directly paid to their institutions under this scheme.*

• **Indian Oil Educational Scholarship**- The IOC Ltd offers 300 scholarships every year to eligible students. Students need to be enrolled in an undergraduate course. The scholarship particularly focuses on students with physical disabilities, women and students from North East and J&K.*

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes.*

• Visit www.buddy4study.com a gateway to scholarships starting from Class XI.*

• Scholarships are also available in institutes based on merit.*

*(Availability of these scholarships vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



The approx. course fee ranges between **INR 2,50,000- 5,00,000*** per annum

*(The above mentioned figures are approximate numbers. This will vary from Institute to Institute)

EDUCATIONAL PATHWAY

1. Complete 10+2 in Science stream (Physics, Chemistry and Mathematics)
2. Complete Bachelor's degree (B.Tech/B.E./B.Sc) in Mathematics/Chemistry/Physics

OR

Complete Bachelor's degree (B.Tech/B.E./B.Sc) in Mathematics/Chemistry/Physics, followed by a Master's degree in the same field.

For admissions, you must qualify entrance examination conducted at national level (JEE Main, JEE Advanced etc.) or state level (WBJEE, AP EAMCET etc.) or institute level (VET, IP etc.)

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of an Engineering Physicist ranges between **INR 16,333 - 250,000*** per month.

Source: [https://www.payscale.com/research/IN/Degree=Bachelor_of_Technology_\(BT_%2F_BTech\)%2C_Engineering_Physics/S](https://www.payscale.com/research/IN/Degree=Bachelor_of_Technology_(BT_%2F_BTech)%2C_Engineering_Physics/S)

WHERE WILL YOU WORK

Places of Work: R&D, Manufacturing, High tech industries like Telecommunication, Nuclear power, and Aerospace, Automotive, Defence, Energy, IT, Computing, Universities and other research and development facilities are some of the popular sectors to work in.

Work Environment: As an Engineering Physicist, you will mostly work in offices, research laboratories and universities. You will work full time, and at times may work more than 40 hours per week.

Opportunities for differently abled exist in this field

EXPECTED GROWTH PATH



Industrial Engineer → Manufacturing Engineer → Production Supervisor → Plant Manager → Head of Manufacturing

WHERE WILL YOU STUDY?

The course is offered by the Department of Engineering/Physics.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Delhi Technological University, New Delhi
2. The Indian Institute of Technology (IIT) Bombay, Mumbai
3. IIT Delhi, New Delhi
4. IIT Guwahati, Guwahati
5. IIT Madras, Chennai
6. National Institute of Technology Calicut, Kozhikode, Kerala
7. Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala
8. IIT BHU, Varanasi

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC and AICTE before applying)

1. Chandigarh University, Chandigarh
2. Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamil Nadu
3. Vidyavardhaka College of Engineering, Mysore
4. Bennett University, Noida
5. RKDF University, Bhopal, Madhya Pradesh

Information on the institute rankings can be found at - www.nirfindia.org/2022/Ranking.html

Search keywords...



engineering physicist, physicist, assistant professor



EXAMPLE FROM THE FIELD



Venkatraman Radhakrishnan was a Space Scientist and member of the Royal Swedish Academy of Sciences. He was Professor Emeritus of the Raman Research Institute in Bangalore, India, where he had been Director from 1972 to 1994. He graduated from Mysore University before joining the Department of Physics at the prestigious Indian Institute of Science, Bangalore.*

Source: <https://theprint.in/theprint-profile/n-radhakrishnan-scientist-sailor-who-broke-through-the-shadow-of-nobel-kin/236538/>

**The above information is for training purposes only and will not be used for any commercial gains.*

ENGLISH LITERATURE SCHOLAR

An English Literature Scholar is involved in the study of texts from around the world, written in the English language or languages translated into English.

PERSONALITY TRAITS

- You like to study English
- You like to read
- You have a creative bent of mind
- You have interests in artistic occupations



The approx. course fee ranges between **INR 15,000 – 3,00,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** – Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE schemes and state schemes*

• Visit www.buddy4study.com – This is a gateway to scholarships starting from Class XI*

• Scholarships are also made available in institutes based on merit
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream
2. Complete Bachelor's degree in English Literature/Comparative Literature, followed by Master's degree in the same discipline

OR

Complete Bachelor's degree in English Literature/Comparative Literature, followed by Master's degree in the same discipline, and then complete a PhD in English Literature/Comparative Literature

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are indicative and subject to change*

The approx. salary of an English Literature Scholar ranges between **INR 11,000 - 1,67,000*** per month.

Source: [https://www.payscale.com/research/IN/Degree=Bachelor_of_Arts_\(BA\)%2C_English_Literature/Salary](https://www.payscale.com/research/IN/Degree=Bachelor_of_Arts_(BA)%2C_English_Literature/Salary)

WHERE WILL YOU WORK

Places of Work: Media Houses, Advertisement Agencies, PR Consultancies, Content Creation Agencies

Work Environment: The work timings are typically 5 to 6 days a week for 8 to 9 hours per day. Shift system is applicable.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



English Literature Student → English Literature Scholar

WHERE WILL YOU STUDY?

This course is offered by the Department of English.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Presidency College, Chennai, Tamil Nadu
2. St. Xavier's College, Ahmedabad, Gujarat
3. Hindu College, Delhi
4. St. Stephen's College, Delhi
5. Hansraj College, Delhi
6. Scottish Church College, Kolkata, West Bengal
7. Jadavpur University, Kolkata, West Bengal
8. Delhi College of Arts and Commerce, New Delhi, Delhi

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC and NCTE before applying)

1. Loyola College, Chennai, Tamil Nadu
2. Fergusson College, Pune, Maharashtra
3. Symbiosis College of Arts and Commerce, Pune, Maharashtra
4. Mount Carmel College, Bengaluru, Karnataka
5. St. Xavier's College, Kolkata, West Bengal
6. Lady Shri Ram College for Women (LSR), New Delhi, Delhi
7. Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu
8. Hindusthan College of Arts & Science, Coimbatore, Tamil Nadu

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

Search keywords...



english literature, english language, comparative literature

366

EXAMPLE FROM THE FIELD



Madhumita Biswas is an Assistant Professor with the Department of English, Jhargram Raj College (Girls' Wing). She is an English Literature graduate and says, "I have always enjoyed studying English literature as it gave me access to understanding the world better. Literature, I believe, teaches us empathy, more than anything. Not only are we able to learn about the world and its affairs better by trying to identify with them. Students with a literature background find it much easier to ace competitive examinations and interviews as well."*

Source: Personal interview

**The above information is for training purposes only and will not be used for any commercial gains.*

EPIGRAPHIST

Epigraphy is the study of inscriptions or epigraphs carved into hard materials such as stone or cast in metal. It provides data about the past. In India, inscriptions on temple walls are common.

PERSONALITY TRAITS



- You are good at working independently
- You like putting things together or assembling things
- You enjoy learning about other cultures



The approx. course fee ranges between **INR 2,000 - 1,50,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream
2. Complete a Bachelor's degree (BA) in History/Art History/ Archaeology/Epigraphy or any related subject

OR

Complete a Diploma in History/Art History/ Archaeology/Epigraphy or any related

OR

Complete a Bachelor's degree followed by a Master's (MA/PG Diploma) and PhD degrees in the same or related field

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are taken from NCS and are indicative and subject to change*

The approx. salary of an Epigraphist ranges between **INR 25,000 - 30,000*** per month for freshers

Source: <https://bit.ly/3EB4WFN>

WHERE WILL YOU WORK?

Places of Work: Private and Government Colleges and Universities, Museums, Cultural Organizations or Societies, Research Organizations etc

Work Environment: It is not a desk job. Local travel is a part of this job role. Part-time work and contractual jobs may be available. Organizations usually work for 5 to 6 days a week and 8 to 9 hours every day. This may vary from organization to organization. You are likely to put in extra hours as and when the need arises.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Junior Researcher → Epigraphist → Senior Epigraphist

Search keywords...



epigraphist, epigrapher

WHERE WILL YOU STUDY?

This course is offered by the Department of History/Archaeology.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Maharaja Sayajirao University of Baroda, Vadodara, Gujarat
2. Shyama Prasad Mukherjee Government Degree College, Prayagraj, Uttar Pradesh
3. DAV Degree College, Varanasi, Uttar Pradesh
4. Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh
5. University of Madras, Chennai, Tamil Nadu
6. University of Calcutta, Kolkata, West Bengal
7. University of Lucknow, Lucknow, Uttar Pradesh
8. University of Mysore, Mysore, Karnataka

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. B.K. College of Arts, Science and Commerce, Thane, Maharashtra
2. Institute of Archaeology, Archaeological Survey of India (ASI), Delhi
3. Delhi Institute of Heritage Research and Management, New Delhi, Delhi
4. Deccan College Postgraduate and Research Institute, Pune, Maharashtra
5. Janardan Rai Nagar Rajasthan Vidyapeeth University, Udaipur, Rajasthan
6. Jagadguru Rambhadracharya Divyanga University, Chitrakoot, Uttar Pradesh
7. SBET Institute of Management and Technology, Mohali, Punjab
8. Uma Arts & Nathiba Commerce Mahila College, Gandhinagar, Gujarat

Information on the institute rankings can be found at - <https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Dr. K.V. Ramesh was an eminent Epigraphist and former Joint Director-General of Archaeological Survey of India (ASI). Ramesh had a Master's degree in Sanskrit language and literature from Madras University and a Doctorate from Karnataka University, Dharwad. He was awarded "Honour of Excellence" by then Prime Minister of India, Manmohan Singh, in recognition of his contribution to the field of Epigraphy, in 2011. He passed away in 2013.

Source: <https://www.inmysore.com/eminent-epigraphist-dr-k-v-ramesh-passes-away>

"The above information is for training purposes only and will not be used for any commercial gains"

FORENSIC SCIENTIST

Forensic Scientists examine and analyse evidence from crime scenes. Their objective findings assist in the investigation and prosecution of perpetrators of crime.

PERSONALITY TRAITS

- You have an interest in Science
- You like to analyze problems and situations
- You pay attention to details
- You have strong verbal and written communication skills



The approx. course fee ranges between **INR 15,000-2,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry, Biology)
2. Complete a Bachelor's degree (B.Sc.) in Forensic Science

OR

Complete a Bachelor's degree followed by a Master's degree in the same or allied field

OR

Complete MBBS and follow it up with an M.D. in Forensic Medicine

You might have to clear competitive exams such as All India Forensic Science Entrance Test or NEET to get admission into your choice of course

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Forensic Scientist ranges between **INR 65,111-1,11,778*** per month

Source: <https://www.salaryexpert.com/salary/job/forensic-scientist/india>

WHERE WILL YOU WORK?

Places of Work: Universities, Museums, Research Institutions, Central or State Laboratories

Work Environment: You will work both indoor and outdoor. You might have to visit crime scenes. While you may not head a team, you will work in a team. You are likely to work 6 days a week and 8 to 10 hours every day. This may vary from organization to organization

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Forensic Scientist → Chemist → Senior Scientist → Principal Scientist

OR

Adjunct Scientist → Senior Scientist → Laboratory Manager

OR

Trainee → Forensic Science Technician → Forensic Science Head

WHERE WILL YOU STUDY?

This course is offered by the Department of Forensic Science.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Jamia Hamdard University, New Delhi
2. Mahatma Gandhi University, Kottayam
3. Mumbai University, Mumbai
4. Chandigarh University, Chandigarh
5. Sam Higginbottom University of Agriculture echnology and Sciences, Allahabad
6. Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
7. Guru Ghasidas Vishwavidyalaya, Bilaspur
8. Maulana Abul Kalam Azad University of Technology, Kolkata
9. Any recognised University in India

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC before applying)

1. Kristu Jayanti College, Bengaluru
2. Manipal Academy of Higher Education, Manipal
3. JSS Academy of Higher Education & Research, Mysore
4. Parul University, Vadodara
5. Amity University, Noida
6. Kalasalingam Academy of Research and Education, Krishnankoil
7. Karunya Institute of Technology and Sciences, Coimbatore
8. Rabindranath Tagore University, Bhopal

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

Search keywords... 

forensic expert, fraud risk, investigator

EXAMPLE FROM THE FIELD

Gaurav Gupta is the first Indian to earn a Doctorate in Digital Forensics. He was bestowed with the Young Scientist Award of the Indian Science Congress in 2010 by APJ Abdul Kalam. Besides serving as an additional director with the Ministry of Electronics and Information Technology (MeitY), Gupta is also a published writer. He has a Ph.D. in Digital Forensic to Detect and Fix Computer Frauds and Cyber Crimes from Jadavpur University, West Bengal. Currently, he is on a mission to create awareness about technological fraud in society.*

Source: <https://analyticsindiamag.com/talking-cyber-awareness-with-dr-gaurav-gupta-of-meity-first-indian-to-earn-doctorate-in-digital-forensics/>

**The above information is for training purposes only and will not be used for any commercial gains*

GENETIC ENGINEER

Genetic Engineers make changes to the genes of a living thing. Genes are tiny units, which carry information about an organism. They make up the material called DNA, which is found in the cells of every living thing. This process of gene modification is called Genetic Engineering.

PERSONALITY TRAITS

- You enjoy Science
- You like to analyze things (problems/ situations)
- You like to do experiments
- You pay attention to details

SCHOLARSHIPS

- **Kishore Vaigyanik Protsahan Yojana Scholarship** - This scholarship is provided to students enrolled in the first year of their engineering undergraduate course. Eligibility includes an aptitude test. It is awarded by the Government of India for economically backward students who have a strong aptitude for scientific research.*
- **Merit-cum-Means based Scholarship** - About 20,000 such engineering scholarships are awarded by the Ministry of Minority Affairs every year. The full course fees of awardees is directly paid to their institutions under this scheme.*
- **Indian Oil Educational Scholarship**- The IOC Ltd offers 300 scholarships every year to eligible students. Students need to be enrolled in an undergraduate course. The scholarship particularly focuses on students with physical disabilities, women and students from North East and J&K.*
- **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes.*
- Visit www.buddy4study.com a gateway to scholarships starting from Class XI.*
- Scholarships are also available in institutes based on merit.*

*(Availability of these scholarships vary from time to time)

LOANS

- VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.
- Some States have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.
- All banks give education loans.



The approx. course fee ranges between **INR 2,00,000 - 10,00,000.***

*(The above mentioned figures are approximate numbers. This will vary from Institute to Institute)

EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Maths/Biology)
2. Complete a Bachelor's degree in Genetics/Life Science/Biotechnology/Biological Science/Genetic Engineering

OR

Complete a Bachelor's degree followed by a Master's degree in the same or related field

OR

Complete 10+2 in the Science stream, pursue MBBS and then do an MD in Medical Genetics, Clinical Genomics, Bio-Physics, etc

Please check the duration of the course during enrolment



EXPECTED INCOME

The figures are indicative & subject to change

The approx. salary of a Genetic Engineer ranges between **INR 16,500 - 3,33,333*** per month

Source: payscale.com/research/IN/Job=Genetic_Engineer/Salary

WHERE WILL YOU WORK

Places of Work: Agricultural and Medical industry, Research and development departments in public, Semi-public, and Commercial sectors, Pharmaceutical and Biotechnology sectors and Animal care centres among others

Work Environment: You will spend most of your time in laboratories, designing and conducting research experiments and performing genetic engineering procedures. You may work the usual nine-to-five schedule, although you may be required to work late and on weekends in a bid to complete research projects or write reports

Opportunities for differently abled exist in this field

EXPECTED GROWTH PATH



Research Assistant → Senior Researcher
→ Manager/Professor

OR

Associate Scientist Scientist → Junior
Scientist → Senior Scientist → Principal
Scientist



WHERE WILL YOU STUDY?

This course is offered by the Department of Engineering.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Indian Institute of Science, Bangalore
2. Aryabhatta Knowledge University, Patna, Bihar
3. Madurai Kamaraj University, Maduraim Tamil Nadu
4. Indian Institute Technology, Kharagpur
5. Indian Institute of Technology, Madras
6. Indian Institute of Technology, Guwahati
7. AWH Special College, Calicut, Kozhikode, Kerala
8. Delhi University, New Delhi

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC and AICTE before applying)

1. SRM of Institute of Science and Technology, Kattankulathur, Tamil Nadu
2. Bharath Institute of Higher Education and Research, Chennai
3. Sharda University, Greater Noida, Uttar Pradesh
4. Lovely Professional University, Jalandhar, Punjab
5. Shoolini University, Himachal Pradesh
6. Asian International University, Manipur, Karnataka
7. Merit International Institute of Technology, Tamil Nadu
8. International Institute of Management and Technical Studies, Bangalore

Information on the institute rankings can be found at -
www.nirfindia.org/2022/Ranking.html

EXAMPLE FROM THE FIELD



Janaki Ammal (1897–1984) is known for her scientific research in Plant Cytology, the study of genetic composition and patterns of gene expression in plants. After schooling in Tellichery, she moved to Madras where she obtained the Bachelor's degree from Queen Mary's College, and an honours degree in botany from Presidency College in 1921. She received the Padma Shri Award in 1977 and went on to occupy the post of the Director-General of the Botanical Survey of India.*

Source:

<https://atomstalk.com/stories/janaki-ammal-indias-first-woman-phd-in-botany/>

**The above information is for training purposes only and will not be used for any commercial gains.*

Search keywords...



genetic analyst, genetic scientist, genetic engineering

372

GEOGRAPHER

A Geographer studies the Earth and its land, features, its inhabitants and how they interact with their surrounding. With extensive knowledge of natural phenomena, they identify patterns and make predictions about how different natural events and human behaviors can impact ecosystems, including the atmosphere surrounding Earth, bodies of water and the habitats of animals and plants. The two main types of geographers are human geographers and physical geographers. Geographers use several technologies in their work, such as GIS, remote sensing, and global positioning systems (GPS).

PERSONALITY TRAITS

- You have an interest in Geography
- You like analyze and interpret data
- You are comfortable working with computers and other technology
- You have strong communication skills



The approx. course fee ranges between **INR 3,000 - 1,50,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream with Geography as a subject
2. Complete Bachelor's degree in Geography /Earth Sciences (B.A./B.Sc.) followed by Master's degree in Cartography/Urban and Town Planning/Regional Planning/ Physiography/Climatology
OR
Complete Bachelor's degree in Geography/ Earth Sciences (B.A./B.Sc.) followed by Master's degree in Cartography/Urban and Town Planning/Regional Planning/ Physiography/Climatology and then complete PhD in a relevant subject

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Historian ranges between **INR 8,000 - 80,000*** or more per month.

Source: <https://www.payscale.com/research/IN/Job=Historian/Salary>

WHERE WILL YOU WORK?

Places of Work: State/Local Government, Architectural and Engineering Firms, Schools, Colleges, Research Institutions.

Work Environment: You may have to travel to do fieldwork. You may travel to foreign countries or remote locations to gather data and observe geographic features, such as the landscape and environment.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Surveying and Mapping Technician → Professional Land Surveyor → GIS Supervisor → Survey Manager → Vice President

OR

Cartographic Technician → GIS Specialist → GIS Supervisor → Survey Manager → Vice President

WHERE WILL YOU STUDY?

The course is offered by the Department of Geography

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Miranda House College, New Delhi
2. Dayanand Anglo Vaidik Mahavidyalaya, Kanpur, Uttar Pradesh
3. Presidency College, Chennai, Tamil Nadu
4. Mohammedan Anglo Oriental College, New Delhi
5. Gokhale Memorial Girls College, Kolkata, West Bengal
6. Bihar National College, Patna, Bihar
7. Lady Brabourne College, Kolkata
8. Nizam College, Hyderabad, Telangana

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Symbiosis College of Arts and Commerce, Pune
2. National Institute of Medical Sciences, Jaipur, Rajasthan
3. Shri Harivallabhdas Kalidas College, Ahmedabad
4. Noida International University, Greater Noida
5. Dr APJ Abdul Kalam University, Indore
6. Fergusson College, Pune
7. St. Xavier's College, Ranchi
8. Madras Christian College, Chennai

Information on Institute rankings is available at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

Search keywords...



geographer, cartographer, topology

374

EXAMPLE FROM THE FIELD

Anu Kapur is Professor of Geography, Delhi School of Economics, University of Delhi, India. She is a Fellow at the Indian Institute of Advanced Studies, Shimla, India and Senior Fellow at the Nehru Memorial Museum and Library, New Delhi. She is a recipient of the Amartya Sen Award in 2012 for Distinguished Social Scientists, Indian Council of Social Science Research, New Delhi. Her areas of interest are geography in India and geography of India. She had studied Geography in her both undergraduate and postgraduate program and then completed her PhD in the same field.*

Source - <https://sites.google.com/geography.du.ac.in/web/people/faculty-members/prof-anu-kapur>

**The above information is for training purposes only and will not be used for any commercial gains*

GEOLOGIST

A Geologist is an expert in the field of geology, the study of the Earth. They work to understand the history of the planet we live on, to better predict the future, and to explain current occurrences. Geologists are also hired to survey land and draw up safe building plans.

PERSONALITY TRAITS

- You enjoy Science
- You are comfortable using technology
- You like to analyse problems/situations
- You like working outdoors



The approx. course fee ranges between **INR 10,000 - 2,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry, Biology)
2. Complete a Bachelor's degree (B.Sc.) in Geology

OR

Complete a Bachelor's degree followed by a Master's degree (M.Sc.) in the same or related field

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are indicative and subject to change*

The approx. salary of a Geologist ranges between **INR 12,200 - 83,334*** per month.

Source: <https://www.payscale.com/research/IN/Job=Geologist/Salary>

WHERE WILL YOU WORK?

Places of Work: Environmental Organizations, Natural Science Museums, Environmental Protection Agencies, Regional and City Planning Agencies, among others

Work Environment: It is not a desk job. You will not handle a team. Local travel is a part of this job role. Part-time work and contractual jobs may be available. Organizations usually work for 5 to 6 days a week and 8 to 9 hours every day. This may vary from organization-to-organization Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Geologist → Senior Geologist → Deputy Director of the Department → Director of the Department

Search keywords...



geologist, mining geologist, engineering geologist

WHERE WILL YOU STUDY?

This course is offered by the Department of Geology or Geological Sciences.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Government Arts College, Karur, Tamil Nadu
2. Government Arts College, Channai, Tamil Nadu
3. Alagappa Government Arts College, Karaikudi, Tamil Nadu
4. Center for Distance Learning and Continuing Education, Chitrkut, Madhya Pradesh
5. Government Arts College, Coimbatore, Tamil Nadu
6. Government Arts College, Salem, Tamil Nadu
7. Government Arts College, Thiruvananthapuram, Kerala
8. Sri Pratap College, Srinagar, J&K

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC before applying)

1. Shri Guru Ram Rai PG College, Dehradun, Uttarakhand
2. A. Doraisany Nadar Maragathavalliammal College (ADM) for Women, Nagapattinam, Tamil Nadu
3. AVS College of Arts and Science, Salem, Tamil Nadu
4. Dayanand Brijendra Swarup (DBS) PG College, Dehradun, Uttarakhand
5. Deogiri College, Aurangabad, Maharashtra
6. Dr Palpu College of Arts and Science, Puthussery, Kerala
7. Fergusson College, Pune, Maharashtra
8. Gossner College, Ranchi, Jharkhand

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Sudipta Sengupta is the first female Geologist from India to be working in the Antarctica. She is also the only woman to be awarded a Shanti Swarup Bhatnagar Prize in Earth Sciences. She did her B.Sc., M.Sc. and Ph.D. from Jadavpur University. She worked as a Geologist in the Geological Survey of India between 1970 and 1973. She then carried out Post-Doctoral research work for the next three years at the Imperial College, London. She has also authored many best-selling books recounting her travels.*

Source : <https://thelifeofscience.com/2020/11/17/sudipta-geologist/>

**The above information is for training purposes only and will not be used for any commercial gains*

HISTORIAN

A Historian studies past events using a wide range of sources such as written records, physical artifacts, photographs, interviews, films, letters and other primary source documents. They collect information from these sources to answer questions about what was happening in the past and why at a given time. They try to understand how and why things change over time. History can be divided into three major specialisations -- archaeology, museology and archival studies.

PERSONALITY TRAITS

- You pay attention to details
- You are interested in knowing and understanding the past
- You have strong writing skills
- You have strong communication skills



The approx. course fee ranges between **INR 3,000 - 1,00,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream
2. Complete Bachelor's degree in Arts (B.A.) in History followed by Master's degree in Arts (M.A.) in History and then complete a PhD

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Historian ranges between **INR 8,000 - 80,000*** or more per month.

Source: <https://www.payscale.com/research/IN/Job=Historian/Salary>

WHERE WILL YOU WORK?

Places of Work: Research Firms, Museums, Universities, Public Sector Firms or Historical Societies, Media, Publishing Industry.

Work Environment: You are likely to spend most of your time in offices, classrooms, and libraries. Working hours are flexible. You may have to travel to distant cities or countries. You are expected to visit archives or historic sites for research.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Assistant Professor → Historian → Professor

OR

Research Intern → Historian → Senior Historian → Head of the Department

WHERE WILL YOU STUDY?

This course is offered by the Department of History

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Sophia College for Women, Mumbai, Maharashtra
2. Bihar National College, Patna, Bihar
3. Lady Shri Ram College for Women (LSR), Delhi
4. Presidency University, Kolkata, West Bengal
5. Umiya Arts and Commerce College for Girls, Ahmedabad, Gujarat
6. Government Mahaprabhu Vallabhacharya Post Graduate College, Mahasamund, Chhattisgarh
7. Silver Jubilee Government Degree College, Kurnool, Andhra Pradesh
8. Government Degree College, Baramulla, Jammu and Kashmir

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. St. Xavier's College, Ranchi, Jharkhand
2. Madras Christian College, Chennai, Tamil Nadu
3. Fergusson College, Pune, Maharashtra
4. St. Xavier's College, Kolkata, West Bengal
5. Christ University, Bengaluru, Karnataka
6. Banasthali Vidyapith, Jaipur, Rajasthan
7. Andhra Loyola College, Vijayawada, Andhra Pradesh
8. Wilson College, Mumbai, Maharashtra

Information on Institute rankings is available at - <https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

Search keywords... 

historian, ancient medieval history, research assistant in history

378

EXAMPLE FROM THE FIELD

Prachi Deshpande is an Indian historian and Associate Professor in History at Centre for Studies in Social Sciences, Calcutta. She did her graduation from Fergusson College and post graduation from JNU. She completed her PhD. from US. After working in US for a few years she returned to India to join Centre for studies in Social Sciences, Kolkata. She has written books specialising in the history of western India. She received the Infosys award in 2020 for her work.*

Source - <https://www.infosysprize.org/laureates/2020/prachi-deshpande.html>

**The above information is for training purposes only and will not be used for any commercial gains*

MATHEMATICIAN

A Mathematician is someone who is trained in the study of numbers and calculations. He or she uses this training to analyze data to solve real-world problems in business, engineering, healthcare, or other fields.

PERSONALITY TRAITS

- You are good at Maths
- You like to work with numbers or charts
- You are good at working independently



The approx. course fee ranges between **INR 5,000 - 2,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• Vidyakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Maths)
2. Complete a Bachelor's degree (BSc) in Mathematics

OR

Complete Bachelor's degree followed by a Master's degree (MSc) in the same or related field.

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are taken from NCS and are indicative and subject to change*

The approx. salary of a Mathematician ranges between **INR 39,000-65,000*** or more per month.

Source: bit.ly/3IVKxhD

WHERE WILL YOU WORK?

Places of Work: Universities, Colleges, Government and Private Research Centres among others

Work Environment: It is a desk job. You are likely to work in a team. Organizations usually work for 5 to 6 days a week and 8 to 9 hours every day. This may vary from organization to organization. Shift system may be available. Overtime may be required. Part-time work and contractual jobs may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Intern → Mathematician → Senior Mathematician → Head of the Department

Search keywords...



mathematician, number scientist, applied mathematician

WHERE WILL YOU STUDY?

This course is offered by the Department of Mathematics.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Government Arts College, Karur, TN
2. Government Arts College, Ooty
3. Hindu College, Delhi
4. Government Arts College, Coimbatore
5. University of Delhi, New Delhi
6. Indian Institute of Technology, Kanpur
7. Indian Institute of Technology, Jodhpur
8. Indian Institute of Technology, Kharagpur
9. Any recognised University in India

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Loyola College, Chennai
2. Mar Ivanios College, Thiruvananthapuram
3. St Joseph's College, Bengaluru
4. PSG College of Arts and Science, Coimbatore
5. KJ Somaiya College of Science and Commerce, Mumbai
6. Dr DY Patil Arts Commerce and Science College, Pune
7. Presidency University, Kolkata
8. St Teresa's College, Ernakulam

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)



EXAMPLE FROM THE FIELD

Professor Neena Gupta, a Mathematician at the Indian Statistical Institute in Kolkata, received the Ramanujan Prize for Young Mathematicians in 2022. She did her Bachelor's from Bethune College in 2006, post-graduation in Mathematics from the Indian Statistical Institute in 2008, and subsequently her Ph.D in 2011. She has also been the recipient of the 2022 Nari Shakti Puraskar.*

Source: dst.gov.in/professor-neena-gupta-receives-ramanujan-prize-young-mathematicians

**The above information is for training purposes only and will not be used for any commercial gains*

METEOROLOGIST

Meteorology is part of the Earth Sciences that deals with the study of atmosphere in order to forecast weather conditions. Meteorologists also study how the atmospheric and weather conditions affect the earth and its people.

PERSONALITY TRAITS

- You enjoy Science
- You pay attention to details
- You like to analyze things (problems/situations)
- You like working with numbers



SCHOLARSHIPS

- **Kishore Vaigyanik Protsahan Yojana Scholarship** - This scholarship is provided to students enrolled in the first year of their engineering undergraduate course. Eligibility includes an aptitude test. It is awarded by the Government of India for economically backward students who have a strong aptitude for scientific research.*
 - **Merit-cum-Means based Scholarship** - About 20,000 such engineering scholarships are awarded by the Ministry of Minority Affairs every year. The full course fees of awardees is directly paid to their institutions under this scheme.*
 - **Indian Oil Educational Scholarship** - The IOC Ltd offers 300 scholarships every year to eligible students. Students need to be enrolled in an undergraduate course. The scholarship particularly focuses on students with physical disabilities, women and students from North East and J&K.*
 - **National Scholarship Portal** - Visit www.scholarships.gov.in Under this portal there are Central government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*
 - Visit www.buddy4study.com a gateway to scholarships starting from Class XI*
 - Scholarships are also available in institutes based on merit*
- *(Availability of these scholarships vary from time to time)

LOANS

- VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.
- Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.
- All banks give education loans.



The approx. course fee ranges between **INR 10,000 to 24,00,000*** for the full course.

*(The above mentioned figures are approximate numbers. This will vary from Institute to Institute)

EDUCATIONAL PATHWAY

1. Complete 10+2 in Science stream (Physics, Chemistry and Mathematics)
2. Complete Bachelor's degree (B.Tech./B.Sc) in Meteorology

OR

Complete a Diploma in Meteorology

OR

Complete Bachelor's degree followed by a Master's degree in the same or allied field

For admissions, you must qualify entrance examination conducted at the national level (JEE Main, JEE Advanced etc.) or State level (WBJEE, AP EAMCET etc.) or Institute level (VET, IP etc.)

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Meteorologist ranges between **INR 75,793 to 134,011*** per month.

Source: <https://www.erieri.com/salary/job/meteorologist/india>

WHERE WILL YOU WORK

Places of Work: Government meteorology department, Air Force, Space centre, National remote sensing agency, Colleges/universities, other Private and Public organizations.

Work Environment: It is a full-time job. You will work in an office setting. You are likely to work 8 to 9 hours every day, 5 to 6 days a week. This may vary from organization to organization.

Opportunities for differently abled exist in this field

EXPECTED GROWTH PATH



Junior Researcher → Meteorologist → Head of Department

OR

Junior Researcher → Meteorologist → Teacher

WHERE WILL YOU STUDY?

This course is offered by the Department of Engineering.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Indian Institute of Technology (IIT), Kharagpur, West Bengal
2. Centre for Atmospheric and Oceanic Science (CAOS), Indian Institute of Science (IISc), Bengaluru, Karnataka
3. Andhra University, Visakhapatnam, Andhra Pradesh
4. Cochin University of Science and Technology (CUSAT), Kochi, Kerala
5. Maharaja Sayajirao University of Baroda, Vadodara, Gujarat
6. Shivaji University, Vidyanager, Kolhapur, Maharashtra
7. Indian Institute of Technology (IIT), New Delhi, Delhi
8. Indian Institute of Tropical Meteorology (IITM), Pune, Maharashtra

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC and AICTE before applying)

1. Manipal Institute of Technology (MIT), Manipal, Karnataka
2. University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand
3. NIIT University, Neemrana, Rajasthan
4. Jain University, Bengaluru, Karnataka
5. KL University, Vaddeswaram, Andhra Pradesh
6. Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu
7. Rajalakshmi Engineering College, Chennai, Tamil Nadu
8. ICFAI Foundation for Higher Education (IFHE), Hyderabad, Telangana



Search keywords...



meteorologist, atmospheric scientist, project scientists

382

EXAMPLE FROM THE FIELD



Anna Mani (23 August 1918 – 16 August 2001) was an Indian Physicist and Meteorologist. She was the Deputy Director General of the Indian Meteorological Department. She made significant contributions in the field of meteorological instrumentation and conducted research and published numerous papers on solar radiation, ozone, and wind energy measurements.*

Source: <http://nobelprizeseries.in/tbis/anna-mani>

**The above information is for training purposes only and will not be used for any commercial gains*

MUSEOLOGIST

Museology is the science or profession of museum organization and management. Museologists look after, manage, organize, display and develop museum collections, and conduct relevant research. Museum curators usually specialize in a broad discipline, such as anthropology, art, decorative arts, natural history, social history, science, or technology.

PERSONALITY TRAITS

- You have a keen interest in history and culture.
- You pay attention to details
- You like to collect and analyze information
- You have an interest in the artefacts and curiosity in discovery



The approx. course fee ranges between **INR 2,400 - 2,67,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in humanities stream with History as a subject
 2. Complete Bachelor's degree in History/ Ancient Indian History and Archaeology or its equivalent
 3. Complete Master's degree in Museology followed by a PhD in the same or relevant discipline
- OR
- Complete Master's degree in Ancient or Medieval Indian History/Archaeology/ Anthropology/Geology with knowledge of the Pleistocene era and then complete PG Diploma course in Museology

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Museologist ranges between **INR 15,000 - 75,000*** per month.

Source: <https://www.merementor.com/library/museology>

WHERE WILL YOU WORK?

Places of Work: Government-run/Private Museums.

Work Environment: You will typically work in an office environment, but might travel occasionally.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Museologist → Senior Museologist

WHERE WILL YOU STUDY?

This course is offered by the Department of History/Archaeology/Museology

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Institute of Archaeology, Archaeological Survey of India, New Delhi
2. University of Calcutta, Kolkata, West Bengal
3. Maharaja Sayajirao University of Baroda, Vadodara, Gujarat
4. National Museum Institute of History of Art Conservation and Museology, New Delhi
5. Rabindra Bharati University, Kolkata, West Bengal
6. Banaras Hindu University, Varanasi, Uttar Pradesh
7. Aligarh Muslim University, Aligarh, Uttar Pradesh
8. The Centre for Studies in Museology, University of Jammu, Jammu

Search keywords... 

archivist, museum director, gallery assistant



EXAMPLE FROM THE FIELD

Ratna Fabri was a noted museologist of India who was awarded Padma Shri in 1970 in the Art field for her achievements. Ratna Fabri had studied museums in America and Europe and had displayed arrangements in the Indian pavilion in the Montreal exhibition.*

Source: <https://peoplepill.com/people/ratna-fabri>

**The above information is for training purposes only and will not be used for any commercial gains*

NANO SCIENTIST

A nanoscientist meticulously manipulates atoms and molecules to create revolutionary materials. Their work spans medicine, electronics, and energy, driving atomic-scale innovations, transforming technology, and pushing the boundaries of what's possible in science and engineering.

PERSONALITY TRAITS



- You enjoy science and maths
- You like to do experiments
- You like to build things
- You are good with computers



The approx. course fee ranges between **INR 5,000 - 5,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

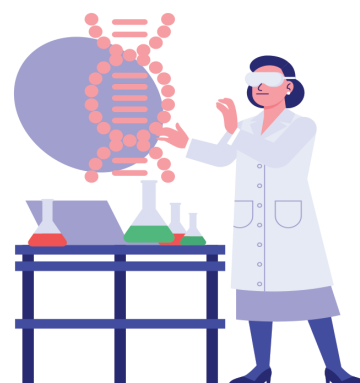
**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Maths)

2. Complete a Bachelor's degree (B.Sc.) in Physics/Mathematics

OR

Complete a Bachelor's degree followed by a Master's degree (M.Sc.) and Ph.D. in Astronomy and Astrophysics/ Applied Mathematics

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Nano Scientist ranges between **INR 25,000 - 2,09,000*** per month.

WHERE WILL YOU WORK?

Places of Work: Public and Private Research and Observatories.

Work Environment: You have to work for at least 8 to 9 hours and for 5 to 6 days a week. Shift duties may be there. Overtime is common.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Junior Researcher → Space Scientist → Head of Department

Search keywords...



space scientist, space researcher, astronomy

WHERE WILL YOU STUDY?

The course is offered by the Department of Mathematics/Astrophysics.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Indian Institutes of Technology Bombay, Mumbai
2. Indian Institute of Technology Delhi, New Delhi
3. Indian Institute of Technology Madras, Chennai
4. Indian Institute of Technology Kanpur, Kanpur
5. Indian Institute of Technology Kharagpur, Kharagpur
6. Indian Institute of Technology Roorkee, Roorkee
7. Indian Institute of Science, Bengaluru
8. Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru
9. Amity Institute of Nanotechnology, Noida
10. SRM Institute of Science and Technology, Chennai
11. University of Hyderabad, Hyderabad
12. Anna University, Chennai

EXAMPLE FROM THE FIELD

Anuradha T.K. is a retired Indian scientist and project director of the Indian Space Research Organisation (ISRO). She has worked on the launches of the satellites GSAT-12 and GSAT-10. She is the senior most female scientist at ISRO, having joined the space agency in 1982, and also the first woman to become a satellite project director at ISRO. Born in Bengaluru, she graduated with a bachelor's degree in electronics from the University Visvesvaraya College of Engineering in Bangalore.*

Source - indiatimes.com/trending/rocket-women-isro-scientists-india-561515.html?picid=2243362

**The above information is for training purposes only and will not be used for any commercial gains*

PALEONTOLOGIST

A Paleontologist is a scientist who studies fossils. Paleontology is the study of the history of life on Earth as reflected in these fossil records. Fossils are the remains or traces of organisms (plants, animals, fungi, bacteria and other single-celled living things) that lived in the geological past and are preserved in the crust of the Earth.

PERSONALITY TRAITS

- You enjoy Science
- You like working outdoors
- You like to analyse problems/situations
- You have a keen sense of observation



The approx. course fee ranges between **INR 10,000 - 2,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in Science stream (Physics, Chemistry and Biology)

2. Complete a Bachelor's degree (B.Sc.) in Biology/Geology

OR

Complete a Bachelor's degree followed by a Master's degree and Ph.D. in the same or related subject

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are indicative and subject to change*

The approx. salary of a Paleontologist ranges between **INR 80,000 - 1,50,000*** per month.

Source: <https://www.salaryexpert.com/salary/job/paleontologist/india>



WHERE WILL YOU WORK?

Places of Work: Government and Private Research Organizations, Environmental Organizations, Natural Science Museums among others

Work Environment: It is not a desk job. You will not handle a team. Local travel is a part of this job role. Part-time work and contractual jobs may be available. Organizations usually work for 5 to 6 days a week and 8 to 9 hours every day. This may vary from organization-to-organization Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Palaeontologist → Senior Palaeontologist → Deputy Director of the Department → Director of the Department

Search keywords...



palaeontologist, geologist, fossil geologist

WHERE WILL YOU STUDY?

This course is offered by the Department of Geology or Geological Sciences.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Government Arts College, Karur, Tamil Nadu
2. Government Arts College, Chennai, Tamil Nadu
3. Alagappa Government Arts College, Karaikkudi, Tamil Nadu
4. Center for Distance Learning and Continuing Education, Chitrakoot Madhya Pradesh
5. Government Arts College, Coimbatore, Tamil Nadu
6. Government Arts College, Salem, Tamil Nadu
7. Government Arts College, Thiruvananthapuram, Kerala
8. Sri Pratap College, Srinagar, J&K

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC before applying)

1. Shri Guru Ram Rai PG College, Dehradun, Uttarakhand
2. A. Doraisany Nadar Maragathavalliammal College (ADM) for Women, Nagapattinam, Tamil Nadu
3. AVS College of Arts and Science, Salem, Tamil Nadu
4. Dayanand Brijendra Swarup (DBS) PG College, Dehradun, Uttarakhand
5. Deogiri College, Aurangabad, Maharashtra
6. Dr Palpu College of Arts and Science, Puthussery, Kerala
7. Fergusson College, Pune, Maharashtra
8. Gossner College, Ranchi, Jharkhand

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Devapriya Chattopadhyay, a Paleontological Biological Researcher is one of the few Indian women who have made a mark in the paleontology community. She has produced several research works throughout her career. She had done her B.Sc. in Geology from Jadavpur University, M.Sc. in Applied Geology from IIT, Bombay, and Ph.D. from the University of Michigan.*

Source: <https://www.shethepeople.tv/news/-meet-palaeontologist-devapriya-chattopadhyay-indian-woman/>

**The above information is for training purposes only and will not be used for any commercial gains*

PHYSICIST

A Physicist is a scientist specialized in the field of physics. His/her field of study includes the interactions of matter and energy in the physical universe. Physicists plan and conduct scientific experiments to test theories.

PERSONALITY TRAITS

- You would like to take up a course related to Physics
- You like to do experiments
- You are good at Math
- You can use a computer to solve a scientific problem



The approx. course fee ranges between **INR 80,000 - 5,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Maths)
2. Complete Bachelor's degree (BSc) in Physics

OR

Complete Bachelor's degree followed by a Master's degree and PhD in the same or related field.

Please check the duration of the course during enrolment

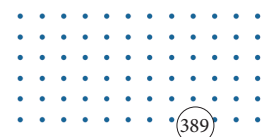


EXPECTED INCOME

**These figures are taken from NCS and are indicative and subject to change*

The approx. salary of a Physicist ranges between **INR 15,000 - 70,000*** per month.

Source: bit.ly/3kmKG3n



WHERE WILL YOU WORK?

Places of Work: Research Laboratories, Electronics and Electrical Manufacturing Companies, Non-governmental Organizations, Colleges/Universities, Defence Sector and others

Work Environment: You will work in an office or laboratory set up. You may handle a team. Local travel is not a part of the job profile. Organizations usually work 5 or 6 days a week and 8 or 9 hours everyday, but this may vary from organization to organization. Overtime may be required. Part-time and contractual jobs may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Junior Researcher → General Physicist/
Teacher → Head of Department

Search keywords... 

*physicist, physicist/mathematician,
nuclear physicist*

WHERE WILL YOU STUDY?

This course is offered by the Department of Physics.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Presidency College, Chennai
2. St Xavier's College, Ahmedabad
3. Hindu College, Delhi
4. Government Arts College, Coimbatore
5. Farook College, Kozhikode
6. Indian Institute of Technology, Kanpur
7. Indian Institute of Technology, Guwahati
8. Indian Institute of Technology, Jodhpur
9. Any recognised University in India

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Loyola College, Chennai
2. Mar Ivanios College, Thiruvananthapuram
3. St Joseph's College, Bangalore
4. PSG College of Arts and Science, Coimbatore
5. KJ Somaiya College of Science and Commerce, Mumbai
6. Dr DY Patil Arts Commerce and Science College, Pune
7. St Thomas College, Thrissur
8. St Teresa's College, Ernakulam

Information on the institute rankings can be found at
- <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Indrani Bose is an Indian physicist, and senior professor at Department of Physics, Bose Institute, Kolkata. Her fields of specialization are theoretical condensed matter, quantum information theory, statistical physics, biological physics and systems.*

Source: <https://www.researchgate.net/profile/Indrani-Bose>

**The above information is for training purposes only and will not be used for any commercial gains*

POLITICAL SCIENTIST

Political Scientist is a specialist who reads, understands and researches about the political discourse, government policies, government steps, international relations between countries and local political issues. They research on different policies and frameworks set up by the government, analyse the budget, election campaigns, election manifesto, how voters/ public identifies with these policies, campaigns and manifestos.

PERSONALITY TRAITS

- You have strong communication skills
- You like to analyze and interpret data
- You have a creative bent of mind
- You pay attention to details



The approx. course fee ranges between **INR 5,000 - 80,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in any stream
2. Complete Bachelor's degree in Arts (B.A.) in Political Science followed by Master's degree in Arts (M.A.) in Political and then complete a PhD

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Political Scientist ranges between **INR 25,000 - 2,50,000*** per month.

Source: https://www.payscale.com/research/IN/Job=Political_Scientist/Salary

WHERE WILL YOU WORK?

Places of Work: Central and State Government Agencies, Social Research Organizations.

Work Environment: You will typically work full time in an office. You might sometimes work additional hours to finish reports and meet deadlines.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Assistant Professor → Political Scientist
→ Professor
OR
Political Scientist → Advisor → Senior Advisor

WHERE WILL YOU STUDY?

This course is offered by the Department of Political Science

This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Jawaharlal Nehru University (JNU), Delhi
2. Banaras Hindu University, Varanasi
3. University of Hyderabad, Hyderabad
4. Jamia Millia Islamia University, Delhi
5. University of Delhi (DU), Delhi
6. Tata Institute of Social Sciences, Mumbai
7. University of Jammu, Jammu
8. Calcutta University, Kolkata
9. Any recognised University in India

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. St. Xavier's College, Mumbai
2. Christ University, Bangalore
3. Madras Christian College (MCC), Chennai
4. Fergusson College, Pune
5. K J Somaiya College of Arts & Commerce (KJSAC), Mumbai
6. Symbiosis College of Arts and Commerce, Pune
7. Parul University, Vadodara
8. Banasthali Vidyapith, Jaipur

Information on Institute rankings is available at -
<https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

Search keywords... 

political scientist, political science researcher

EXAMPLE FROM THE FIELD

Amita Singh is an Indian Political Scientist, currently serving as a professor of Law and Governance at Jawaharlal Nehru University, in Delhi, India. She is also a member of the Indian Council of Social Science Research. Singh completed her higher education with a Ph.D. in political science from Dr. Bhimrao Ambedkar University, in Agra, Uttar Pradesh. Singh also serves on a number of government boards and committees in relation to administration and governance. She is currently the chair of the University's Special Center for Disaster Research.*

Source - <https://www.mei.edu/profile/amita-singh>

**The above information is for training purposes only and will not be used for any commercial gains*

SCIENTIFIC ASSISTANT (IMD)

Scientific Assistants are the hands-on workers in scientific fields. The duty of a Scientific Assistant is to provide support to the scientist or a team of researchers to conduct research, develop new products and technologies.

PERSONALITY TRAITS

- You have an interest in Science
- You like to analyse problems/situations
- You like to have clear instructions to follow while working
- You pay attention to details



The approx. course fee ranges between **INR 20,000 - 3,05,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Mathematics)
2. Complete a Bachelor's degree (B.Sc.) in Physics/Computer Science/Information Technology/Computer Applications and then take the SSC IMD Scientific Assistant exam

OR

Complete a Diploma in Electronics and Telecommunication Engineering and then take the SSC IMD Scientific Assistant exam

OR

Complete a Bachelor's degree followed by a Master's degree (M.Sc) in the same or related discipline and then take the SSC IMD Scientific Assistant exam

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Scientific Assistant in IMD ranges between **INR 35,400 - 1,12,000*** per month.

Source: https://internal.imd.gov.in/section/rti/MANUAL_10.pdf

WHERE WILL YOU WORK?

Places of Work: Indian Meteorological Department

Work Environment: It is a desk job. You will not head a team. Local travel is not a part of the job profile. You will typically work 5 to 6 days a week, 7 to 8 hours per day. Shift system may be applicable

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Scientific Assistant → Scientific Senior Assistant → Scientist Officer I → Scientist Officer II → Scientist Officer III

Search keywords... 

research assistant, scientific assistant, lab assistant

WHERE WILL YOU STUDY?

This course is offered by the Department of Science.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. St. Stephen's College, Delhi
2. Hindu College, Delhi
3. Miranda House, New Delhi
4. Madras Christian College, Chennai, Tamil Nadu
5. Christ University, Bangalore, Karnataka
6. Government Arts College, Coimbatore, Tamil Nadu
7. Nizam College, Hyderabad, Telangana
8. Jai Hind College, Mumbai, Maharashtra

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC and AICTE before applying)

1. Centurion University of Technology Management, Bhubaneswer, Odisha
2. Indus International University, Bathu, Himachal Pradesh
3. Periyar Maniammai Institute of Science and Technology, Thanjavur, Tamil Nadu
4. Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya, Kanchipuram, Tamil Nadu
5. Shri Ramaswamy Memorial (SRM) Institute of Science and Technology, Kanchipuram, Tamil Nadu
6. Parul University, Vadodara, Gujrat
7. St. Xaviers College, Kolkata, West Bengal
8. Mount Carmel College, Bangaluru,

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Amol Veer works as a Scientific Assistant at India Meteorological Department, Aurangabad. He has a Bachelor's degree in Electronics & Communication Engineering from MIT Aurangabad and a Master's degree in Mechatronics from the Indian Institute of Technology, Patna.*

Source: https://rocketreach.co/amol-veer-email_224258022

**The above information is for training purposes only and will not be used for any commercial gains*

SEISMOLOGIST

Seismologists are scientists, specialized in geophysics, who study the sudden, violent movements of the earth connected with earthquakes. Seismologists study geological materials which can range from a laboratory sample to the Earth as a whole, from its surface to its core.

PERSONALITY TRAITS

- You enjoy science and maths
- You like to do experiments
- You are good with computers



The approx. course fee ranges between **INR 15,000 - 2,25,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in the Science stream (Physics, Chemistry, Biology)
2. Complete a Bachelor's degree (BSc) in Geophysics, Geology and so on
OR
Complete a Bachelor's degree (B.Sc.) followed by a Master's degree (M.Sc.) in the same or related field
OR
Complete a Bachelor's degree and Master's degree followed by a Ph.D. in Geography/- Geology

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Seismologist ranges between **INR 86,600 - 1,50,000*** per month.

Source: <https://www.salaryexpert.com/salary/job/seismologist/india>

WHERE WILL YOU WORK?

Places of Work: Research Institutes, Petroleum Industry, Geothermal power Industry, Nuclear Research Centres and so on.

Work Environment: You have to work for at least 8 to 9 hours and for 5 to 6 days a week. Shift duties may be there. Overtime is common.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Seismology Researcher
/Seismologist → Senior Seismologist

Search keywords...



earth scientist, seismologist, earthquake scientist

WHERE WILL YOU STUDY?

This course is offered by the Department of Geophysics.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Government Arts College, Coimbatore, Tamil Nadu
2. Government Arts College, Ooty, Tamil Nadu
3. Government Arts College, Coimbatore, Tamil Nadu
4. Government College, Kullu, Himachal Pradesh
5. Government Degree College, Lansdowne, Uttarakhand
6. Government Gandhi Memorial Science College, Jammu, J&K
7. Pachhunga University College, Aizawl, Mizoram
8. Sri Pratap College, Srinagar, J&K

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC before applying)

1. Parul Institute of Applied Sciences, Vadodara, Gujrat
2. Shri Guru Ram Rai PG College, Dehradun, Uttarakhand
3. AVS College of Arts and Science, Salem, Tamil Nadu
4. Global Education and Management Studies (GEMS) Arts and Science College, Ramapuram, Kerala
5. KJ Somaiya College of Science and Commerce, Mumbai, Maharashtra
6. Mahadev PG College, Varanasi, Uttar Pradesh
7. Baba Farid Institute of Technology (BFIT) Group of Institutions, Dehradun, Uttarakhand
8. Patkai Christian College, Dimapur, Nagaland

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

EXAMPLE FROM THE FIELD

Kusala Rajendran is an Indian seismologist and currently a professor at the Centre for Earth Sciences, Indian Institute of Science, Bengaluru, India. She has primarily worked on earthquakes and their source mechanisms. She has completed her Master of Technology in the field of Applied Geophysics from the Indian Institute of Technology, Roorkee in 1979. She then graduated from University of South Carolina, USA with a Doctor of Philosophy in Seismology in 1992. In 2018, she received the first National Award for Women Scientist for 'Ocean Sciences and Technology' and 'Atmospheric Sciences Technology'.

Source - timesofindia.indiatimes.com/city/bengaluru/bengaluru-seismologist-gets-national-award/articleshow/64979459.cms

**The above information is for training purposes only and will not be used for any commercial gains*

SOCIOLOGIST

A Sociologist studies society, human behaviour and interaction that develop when people work together. Social institutions, cultures and groups are examined by them. The subject matter for a Sociologist is diverse ranging from crime, religion, social structures of family to the state, from the divisions of race and social class to the shared beliefs of a common culture.

PERSONALITY TRAITS

- You have an interest and knowledge of society and social issues
- You like to analyse problems
- You like to pay attention to details



The approx. course fee ranges between **INR 15,000 - 1,50,000***.

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government Schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the Institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA).

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.



ENTRY PATHWAY

1. Complete 10 + 2 in Humanities stream preferably with Sociology
2. Complete Bachelor's degree in Arts (B.A.) in Sociology followed by Master's degree in Arts (M.A.) in the same

OR

Complete Bachelor's degree in Arts (B.A.) in Sociology followed by Master's degree in Arts (M.A.) in Sociology and PhD in the same

OR

Complete Bachelor's degree in any Humanities subject and then complete a PhD in Sociology

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Sociologist is **INR 10,000 - 1,25,000*** per month.

Source - <https://www.salaryexpert.com/salary/job/sociologist/india>

WHERE WILL YOU WORK?

Places of Work: Research Organizations, Colleges, Universities, Regional and Central Government, Consulting Service Firms.

Work Environment: You will typically work in an office. You may work outside of an office setting when conducting research through interviews or observations or presenting research results.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Intern → Junior Analyst → Sociologist, General → Senior Sociologist → Head of the Department

WHERE WILL YOU STUDY?

The course is offered by the Department of Sociology
This list of institutes is indicative only.

GOVERNMENT INSTITUTES

1. Miranda House, University of Delhi, New Delhi
2. Lady Shri Ram College, University of Delhi, New Delhi
3. Hindu College, New Delhi
4. Lady Brabourne College, Kolkata, West Bengal
5. Jamia Millia Islamia, New Delhi
6. Delhi School of Economics, New Delhi
7. Centre for Studies in Social Sciences, Kolkata, West Bengal
8. Gujarat Arts and Science College, Ahmedabad, Gujarat

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Fergusson College, Pune, Maharashtra
2. Loyola College, Chennai, Tamil Nadu
3. St. Xavier's College, Kolkata, West Bengal
4. St. Andrews College of Arts Science and Commerce, Mumbai, Maharashtra
5. PSG College of Arts and Science, Coimbatore, Tamil Nadu
6. Rani Birla Girls' College, Kolkata, West Bengal
7. St. Joseph's College, Bangaluru, Karnataka
8. Jyoti Nivas College, Bangaluru, Karnataka

Information on Institute rankings is available at -
<https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

Search keywords...



social scientist, sociologist

EXAMPLE FROM THE FIELD



Nidhin Donald is an artist and a doctoral scholar at JNU Delhi. He has worked with Pune University and National Campaign on Dalit Human Rights (NCDHR). His artwork has regularly featured on Round Table India. He has completed his undergraduate and post graduate program in Sociology and then pursues M.Phil. and PhD from School of Social Sciences, JNU, Delhi.*

Source - <https://www.hss.iitb.ac.in/en/post-doctoral-fellow/nidhin-donald>

**The above information is for training purposes only and will not be used for any commercial gains*

SPACE SCIENTIST

A Space Scientist studies the properties of outer space, including our solar system and other galaxies and solar systems, by analyzing data collected by equipment mounted on orbiters, satellites and other probes that are sent into space.

PERSONALITY TRAITS

- You enjoy science and maths
- You like to do experiments
- You like to build things
- You are good with computers



The approx. course fee ranges between **INR 5,000 - 5,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

* (Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Maths)

2. Complete a Bachelor's degree (B.Sc.) in Physics/Mathematics

OR

Complete a Bachelor's degree followed by a Master's degree (M.Sc.) and Ph.D. in Astronomy and Astrophysics/ Applied Mathematics

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Space Scientist ranges between **INR 25,000 - 2,09,000*** per month.

Source: <https://www.ambitionbox.com/salaries/indian-space-research-organisation-salaries/scientist>

WHERE WILL YOU WORK?

Places of Work: Public and Private Research and Observatories.

Work Environment: You have to work for at least 8 to 9 hours and for 5 to 6 days a week. Shift duties may be there. Overtime is common.

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Junior Researcher → Space Scientist → Head of Department

Search keywords...



space scientist, space researcher, astronomy

WHERE WILL YOU STUDY?

The course is offered by the Department of Mathematics/Astrophysics.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Indian Institute of Science, Bengaluru
2. National Institute of Technology, Rourkela
3. Osmania University, Hyderabad
4. Punjabi University, Patiala
5. Indian Institute of Technology, Indore
6. Tata Institute of Fundamental Research, Mumbai
7. St Xavier's College, Ahmedabad
8. Indian Institute of Technology, Kanpur
9. Any recognised University in India

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC before applying)

1. Loyola College, Chennai
2. Mar Ivanios College, Thiruvananthapuram
3. St Joseph's College, Bengaluru
4. PSG College of Arts and Science, Coimbatore
5. KJ Somaiya College of Science and Commerce, Mumbai
6. Dr DY Patil Arts Commerce and Science College, Pune
7. St Thomas College, Thrissur
8. St Teresa's College, Ernakulam

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Anuradha T.K. is a retired Indian scientist and project director of the Indian Space Research Organisation (ISRO). She has worked on the launches of the satellites GSAT-12 and GSAT-10. She is the senior most female scientist at ISRO, having joined the space agency in 1982, and also the first woman to become a satellite project director at ISRO. Born in Bengaluru, she graduated with a bachelor's degree in electronics from the University Visvesvaraya College of Engineering in Bangalore.*

Source - [indiatimes.com/trending/rocket-women-isro-scientists-india-561515.html?picid=2243362](https://www.indiatimes.com/trending/rocket-women-isro-scientists-india-561515.html?picid=2243362)

**The above information is for training purposes only and will not be used for any commercial gains*

STATISTICIAN

A Statistician gathers numerical data and then analyzes and interprets them, helping companies to make sense of quantitative data. The companies, in turn, use this information to spot trends and make predictions.

PERSONALITY TRAITS

- You are good at Maths
- You can use a computer to solve a scientific problem
- You like working with numbers or charts
- You like to analyze things (problems and situations)



The approx. course fee ranges between **INR 20,000 - 1,50,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

- **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

- Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

- Scholarships are also available in the institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

- VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Ministry of Education and Indian Banks Association (IBA)

- Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

- All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 with Economics
 2. Complete a Bachelor's degree (B.Sc) in Statistics/Mathematics or any related subject
- OR

Complete a Bachelor's degree followed by a Master's degree in Statistics

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are taken from NCS and are indicative and subject to change*

The approx. salary of a Statistician ranges between **INR 30,000 - 60,000*** or more per month.

Source: bit.ly/3ksnnoQ

WHERE WILL YOU WORK?

Places of Work: Banking and Financial Organizations, and Insurance Companies

Work Environment: It is a desk job. You need not handle a team. Local travel may be a part of this job role. Organizations usually work for 5 to 6 days a week for 10 to 12 hours every day. This may vary from organization to organization. Shift system may be available. Overtime may be required

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Statistician → Statistician, Applied →
Operation Research Analyst

Search keywords...



statistical specialist, statistician, data analyst

WHERE WILL YOU STUDY?

This course is offered by the Department of Statistics.
This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Aligarh Muslim University, Aligarh, Uttar Pradesh
2. Acharya Nagarjuna University, Guntur, Andhra Pradesh
3. Annamalai University, Chidambaram Tamil Nadu
4. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra
5. Banaras Hindu University, Varanasi, Uttar Pradesh,
6. Bangalore University, Bengaluru
7. Berhampur University, Berhampur Odisha
8. University of Burdwan , Raiganj, West Bengal
9. Any recognised University in India

PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Loyola College, Chennai
2. Silver Oak University, Ahmedabad
3. St Joseph's College, Bengaluru
4. PSG College of Arts and Science, Coimbatore
5. KJ Somaiya College of Science and Commerce, Mumbai
6. Dr. DY Patil Arts Commerce and Science College, Pune
7. Himalayan School of Science and Technology, Swami Rama Himalayan University, Dehradun
8. St. Teresa's College, Ernakulam

Information on the institute rankings can be found at - <https://www.nirfindia.org/Rankings/2023/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Madhumita Ghosh-Dastidar is the head of Statistics Group and a senior statistician at the RAND Corporation, the US-based think-tank. She is a fellow of the American Statistical Association (ASA), and was a statistician for two studies receiving the RAND President's Choice Award in 2014 and 2015. Ghosh-Dastidar received her Ph.D. and M.A. in Statistics from Pennsylvania State University and her BS in Mathematics and Computer Science from Albright College.*

Source: https://www.rand.org/about/people/g/ghosh-dastidar_bonnie.html

**The above information is for training purposes only and will not be used for any commercial gains*

TOXICOLOGIST

Toxicology is a field of Science that helps understand the harmful effects that chemicals, substances, or situations, can have on people, animals, and the environment. Some refer to toxicology as the "Science of Safety" because as a field it has evolved from a Science focused on studying poisons and adverse effects of chemical exposures, to a one devoted to studying safety. An expert in this field is called a toxicologist.

PERSONALITY TRAITS

- You enjoy Science
- You like to experiment
- You pay attention to details while working



The approx. course fee for a post graduation in Toxicology ranges between **INR 6,500 - 90,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

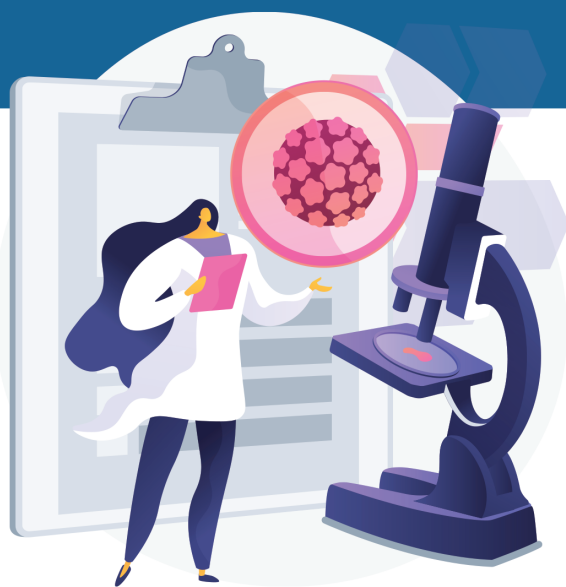
• Scholarships are also available in the institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10 + 2 in Science stream
2. Complete a Bachelor's (BSc) degree in Botany/Chemistry/Zoology/Biochemistry or any related subject
3. Complete a Bachelor's degree followed by a Master's degree in Toxicology or related Subject

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Toxicologist ranges between **INR 11,000 - 1,66,667*** per month

Source: <https://www.payscale.com/research/IN/Job=Toxicologist/Salary>

WHERE WILL YOU WORK?

Places of Work: Government and Private Hospitals, Medical Colleges, Government and Industrial Laboratories etc.

Entrepreneurship: You can set up your own laboratory.

Work Environment: It is a desk job. You will need to handle a team of nurses and other medical staff. Local travel may be part of the job. Part-time work and contractual jobs are available. Hospitals and clinics usually work for 6 to 7 days. You are likely to work 9 to 10 hours 6 days a week. This may vary from clinic to clinic. Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Intern → Junior Doctor → Toxicologist
→ Senior Toxicologist → Head of
Department

Search keywords...



*toxicologist, scientist toxicology,
analytical chemist*

WHERE WILL YOU STUDY?

The course is offered by the Department of Toxicology.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Banaras Hindu University, Varanasi, Uttar Pradesh
2. King's George Medical University, Lucknow, Uttar Pradesh
3. Aligarh Muslim University, Aligarh, Uttar Pradesh
4. Maulana Azad Medical College, Delhi
5. Government Medical College and Hospital, Chandigarh
6. Kolkata Medical College, Kolkata, West Bengal
7. Osmania Medical College, Hyderabad, Telangana

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC before applying)

1. Christian Medical College, Vellore, Tamil Nadu
2. Kasturba Medical College (KMC), Manipal, Karnataka
3. Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry
4. Sri Ramachandra Institute of Higher Education and Research, Chennai, Tamil Nadu
5. St. John's Medical College, Bangalore, Karnataka
6. JSS Medical College, Mysore, Karnataka
7. Siksha 'O' Anusandhan University, Bhubaneswar, Odisha
8. Shri Rameswary Memorial (SRM) University, Chennai, Tamil Nadu

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

EXAMPLE FROM THE FIELD



Dr. P. Sampath Kumar is a Toxicologist, Legal Medicine and Medical Expertise Specialist who practices in Chennai. He has 39 years of experience in the fields. Kumar completed his MBBS and MD in Forensic Medicine & Toxicology from Madras Medical College, Chennai. He is a member of the Tamil Nadu Medical Council.

Source: <https://www.practo.com/chennai/doctor/dr-p-sampath-kumar-toxicologist>

"The above information is for training purposes only and will not be used for any commercial gains"

VIROLOGIST

Virologists study viruses and how they affect humans, animals, insects, bacteria, fungi and plants, in community, clinical, agricultural and natural environments.

PERSONALITY TRAITS

- You enjoy Science
- You like to analyse problems/situations
- You pay attention to details
- You have strong communication skills



The approx. course fee ranges between **INR 80,000-2,50,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in Science stream (Physics, Chemistry and Biology)
2. Complete a Bachelor's degree (B.Sc.) in Microbiology/Virology/Life Science/Biochemistry/Biotechnology/Zoology/Medical lab technology or any allied subject

OR

Complete a Bachelor's degree followed by a Master's degree in the same or allied field

Please check the duration of the course during enrolment



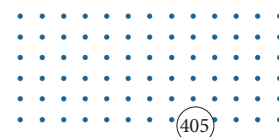
EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of a Virologist ranges between **INR 90,000-1,60,000*** per month

Source -

<https://www.salaryexpert.com/salary/job/virologist/india>



405

WHERE WILL YOU WORK?

Places of Work: Hospitals, Health Departments, Universities, Research agencies

Work Environment: It is a desk job. You may need to handle a team of laboratory workers and helpers. Local travel is not a part of this job role. Part-time work and contractual jobs may be available. You are likely to have regular work hours. Organizations usually work for 5 to 6 days a week and 9 to 10 hours every day. This may vary from organization to organization. Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH



Research Fellow → Virologist → Senior Virologist → Head of Department, Virology

Search keywords...



virology, virologist, virology technician

WHERE WILL YOU STUDY?

This course is offered by the Department of Microbiology/Virology/ Life Science/Biochemistry/Biotechnology/Zoology

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. All India Institute of Medical Sciences, New Delhi
2. Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry
3. King George's Medical University, Lucknow, Uttar Pradesh
4. Annamalai University, Chidambaram, Tamil Nadu
5. Uttar Pradesh University of Medical Sciences, Saifai, Uttar Pradesh
6. Chhatrapati Shahu ji Maharaj University, Kanpur, Uttar Pradesh
7. All India Institute of Medical Sciences, Rishikesh, Uttarakhand
8. Sher-I-Kashmir Institute of Medical Sciences, Srinagar, J&K

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC or MCI before applying)

1. Shree Guru Gobind Singh Tricentenary University, Gurugram, Uttar Pradesh
2. Manipal Academy of Higher Education, Manipal, Karnataka
3. Krishna Institute of Medical Sciences, Malkapur, Maharashtra
4. Dayananda Sagar University, Bangalore, Karnataka
5. Singhania University, Jhunjhunu, Rajasthan
6. Amity University, Noida, Uttar Pradesh
7. Adamas University, Kolkata, West Bengal
8. Parul University, Vadodara, Gujrat

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

EXAMPLE FROM THE FIELD



Dr. Gangandeep Kang, an Indian Virologist, is hailed as the 'vaccine godmother' of India. She has been a leading researcher in viral infections in children and has worked on public health and diarrhoea diseases since the 1990s in India. She is the first Indian woman to be elected as Fellow of the Royal Society, London. She has worked extensively in the rotavirus research and was a key scientist in developing the vaccine for diarrhoea, Rotovac from Bharat Biotech International.*

Source - <https://www.cmch--vellore.edu/SinglePage.aspx?pid=P160802009&mid=M190619168>

ZOOLOGIST

A Zoologist is a scientist who studies animals. Zoologists are experts on everything about animals — from their cells to the history of their evolution. They typically research animals and their natural habitat in zoos where they are kept in captivity. Zoologists try to enhance the understanding about the lives of animals by studying their behaviour.

PERSONALITY TRAITS

- You like animals
- You are comfortable working outdoors
- You pay attention to details while working



The approx. course fee ranges between **INR 6,840 - 7,20,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• **National Scholarship Portal** - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes offered by different departments, UGC/AICTE Schemes and State Schemes*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*
*(Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



EDUCATIONAL PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Biology)
2. Complete a Bachelor's degree (B.Sc.) in Zoology

OR

Complete a Bachelor's degree followed by a Master's degree in the same or allied field

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are indicative and subject to change*

The approx. salary of a Zoologist ranges between **INR 8,334 - 2,50,000*** per month.

Source: <https://www.payscale.com/research/IN/Job=Zoologist/Salary>

WHERE WILL YOU WORK?

Places of Work: Zoos, Laboratories, Government Research Centres among others

Work Environment: It is not a desk job. You will supervise a team of assistant zoologists and other staff. Local travel may be a part of the job role. Part-time work and contractual jobs may be available. Organizations usually work 6 to 7 days a week and 8 to 10 hours every day. This may vary from organization to organization. Shift system may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Zookeeper → Assistant Zoologist → Zoologist → Senior Zoologist, Head of Department → Chief Zoologist

Search keywords...



wildlife scientist, wildlife biologist, animal scientist

WHERE WILL YOU STUDY?

This course is offered by the Department of Zoology.

This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Maharaja Sayajirao University of Baroda, Vadodara, Gujrat
2. Banaras Hindu University, Varanasi, Uttar Pradesh
3. University of New Delhi
4. Savitribai Phule Pune University, Pune, Maharashtra
5. Aligarh Muslim University, Aligarh, Uttar Pradesh
6. Annamalai University, Chidambaram, Tamil Nadu
7. Gujarat University, Gujrat, Ahmedabad
8. Visva Bharati University, Sriniketan, West Bengal

PRIVATE INSTITUTES

(Please check if Institute is affiliated and accredited with UGC and AICTE before applying)

1. Christ University, Bangalore, Karnataka
2. Jamia Hamdard, New Delhi
3. National Institute of Medical Sciences, Jaipur, Rajasthan
4. Jain University, Bangalore, Karnataka
5. Chandramohan Jha (CMJ) University, Shillong, Meghalaya
6. CT University, Ludhiana, Punjab
7. Bhagwant University, Ajmer, Rajasthan
8. University of Technology, Jaipur, Rajasthan
9. Mahatma Jyoti Rao Phoole University, Jaipur, Rajasthan
10. RKDF University, Bhopal, Madhya Pradesh

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

EXAMPLE FROM THE FIELD

Mukund Lal Bhatia was an expert in Zoology and Entomology. He was affiliated with the University of Delhi and was the Honorary Professor at Biosciences Department of Himachal Pradesh University. Bhatia studied Morphology and Functional Morphology of Indian and Foreign Leeches for his academic and research career.*

Source : <https://www.edudwar.com/become-a-zoologist-in-india-famous-zoologist-salary-career-jobs/>

**The above information is for training purposes only and will not be used for any commercial gains*