

# 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.

## PERSONAL COMPETENCIES

- 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](http://www.scholarships.gov.in). Under this portal there are Central Government schemes, UGC/AICTE Schemes and Assam Government Schemes offered by different departments\*
  - Visit [www.buddy4study.com](http://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](http://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

## ENTRY 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 Geology or Geological Sciences.

This list of institutes is indicative only

### GOVERNMENT INSTITUTES

1. Dibrugarh University, Dibrugarh
2. Gauhati University, Guwahati
3. Cotton Univeristy, Guwahati
4. Pragjyotish College, Guwahati
5. Assam University, Silchar
6. Government Arts College, Salem
7. Government Arts College, Kerala
8. Sri Pratap College, Srinagar

### PRIVATE INSTITUTES

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

1. Royal Global University, Guwahati
2. ADM College for Women, Nagapattinam
3. AVS College of Arts and Science, Salem
4. DBS PG College, Dehradun
5. Deogiri College, Aurangabad
6. Dr Palpu College of Arts and Science, Puthussery
7. Fergusson College, Pune
8. Gossner College, Ranchi

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

**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](https://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*