

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.

PERSONAL COMPETENCIES



- 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, UGC/AICTE Schemes and Assam Government Schemes offered by different departments*

• 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



ENTRY PATHWAY

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

OR

Complete Bachelor's degree followed by a Master's degree (MSc) in Ecology, Seed Science and Technology

For admissions into Seed Science and Technology course, you may have to clear entrance examinations like ICAR AIEEA, GATE, Ouat CUET, NPAT, GSAT, AGRICET

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
2. University of Rajasthan
3. Banaras Hindu University, Uttar Pradesh
4. University of Delhi
5. Annamalai University, Tamil Nadu
6. University of Calcutta, West Bengal
7. Indian Institute of Science, Bangalore
8. University of Agricultural Sciences, Dharwad

PRIVATE INSTITUTES

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

1. Hindustan Institute of Technology and Science, Chennai
2. VJTI Mumbai (Diploma)
3. Singhania University, Rajasthan (Diploma)
4. Amity University, Noida
5. St. Xavier's College, Ahmedabad
6. COEP Pune
7. SRM University Chennai
8. MIT Manipal

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

Online Courses

- NPTEL* Swayam - <https://swayam.gov.in/explorer?searchText=ecology>
- Udemy - <https://www.udemy.com/courses/search/?src=ukw&q=ecology>
- Coursera - <https://in.coursera.org/search?query=ecology&>

**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

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*