

Genetics is a discipline of Biology; it is the science of heredity and variation in living organisms. Genetics is the study of the units of heredity known as genes. Genetics deals with the molecular structure and function of genes, gene behavior in context of a cell or organism (e.g. dominance and epigenetic) patterns of inheritance from parent to offspring, and gene distribution, variation and change in population such as through Genome-Wide Association Studies. Given that genes are universal to living organisms, genetics can be applied to the study of all living systems, from viruses and bacteria, through plants and domestic animals, to humans (as in medical genetics).

The study mainly focuses on the organization, recombination, function, regulation, and transmission of heritable information in biological organisms at all levels of complexity.

B.Sc Genetics job types:

- Animal Breeder
- Bio Technician
- Biotech Sales Engineer
- Clinical Geneticist/Researcher
- Cytogenetic Technologist
- Drug Discovery Engineer
- Forensic Scientist
- Genetic Counselor
- Genetics Lab Research Assistant
- Genetics Lab Technician
- Molecular Genetic Clinical Lab Scientist
- Regulatory Process Manager

Top colleges for Genetics:

- Jadavpur University, Kolkata
- Jawaharlal Nehru University
- Osmania University, Hyderabad
- University of Delhi
- University of Kerala, Thiruvananthapuram
- Andhra University, Vishakhapatnam
- Punjab Agricultural University
- Rajendra Agricultural University, Bihar
- Haryana Agricultural University
- University of Lucknow
- AWH Special College
- Dayananda Sagar Institutions (DSI), Bangalore
- Guru Nanak Dev University, Amritsar
- Indian Institute of Science
- Garden City College - Bangalore, Karnataka
- Indian Veterinary Research Institute - Kolkata, West Bengal

Admissions to colleges for this course is through merit. There are very few colleges which will conduct an entrance test.

For more list of colleges in India and abroad, please visit the below link:

<https://www.univariety.com/app/collegeSearch>

You can get all details like fees ,duration about the course by going through the above link.