

Microbiology

Introduction

Microbiology is the study of microscopic organisms , such as bacteria, viruses, arches, fungi and protozoa. This discipline includes fundamental research on the biochemistry, physiology, cell biology, ecology, evolution and clinical aspects of microorganisms, including the host response to these agents.

Branches of Microbiology

- Bacteriology: the study of bacteria.
- Mycology: the study of fungi.
- Protozoology: the study of protozoa.
- Phycology/ algology: the study of algae.
- Parasitology: the study of parasites.
- Immunology: the study of the immune system.
- Virology: the study of viruses.

Skill Set

- Analytical Skills.
- Interest in research.
- Observant attitude.
- Ability to work in a team of professionals.
- Good communication skills.

Eligibility

10+2 sciences preferably PCB

Top Colleges

Punjab Agricultural University, Ludhiana.

Course: Integrated M.Sc. Microbiology (Hons.)

Duration: 5 Years.

Eligibility: 10+2 or equivalent with Physics, Chemistry and Mathematics/Biology/ Agriculture with at least 50% marks in aggregate.

Admission Mode: CET

Panjab University

Course: B.Sc (Honours) in Microbiology.

Duration: 3 Years.

Eligibility Should have passed 10+2 examination with at least 50% marks with English, Physics, Chemistry, Mathematics / Biology

Admission Mode PUCET

Panjab University Affiliated Colleges Chandigarh.

Course: B.Sc (Honours) in Microbiology.

Duration: 3 Years.

Eligibility: At least 50% marks in 10+2 with Biology, Physics and Chemistry.

Admission Mode Merit Based

Some Colleges under Panjab University

- MCM DAV College Sector-36
- Goswami Ganesh Dutta S.D. College, Sector-32
- Post Graduate Govt. College Sector- 11 (PGGC-11)
- Post Graduate Govt. College for Girls Sector-42(PGGCG-42)

University of Delhi, Delhi.

Course:B.Sc (Honours) in Microbiology.

Duration: 3 Years.

Eligibility: 10+2 with 55% or more in the aggregate of 3 subjects Physics, Chemistry and Biology/Bio-tech.

Admission Mode: CUET.

Some Colleges under Delhi University

- Gargi College (W)
- Ram LalAnand College
- Swami Shardhanand College
- Institute of Home Economics (W)
- Bhaskaracharya College of Applied Sciences
- ShaheedRajguru College of Applied Sciences for Women (W)

Ethiraj College for Women ,Chennai

Course: B.Sc Microbiology.

Duration: 3 Years.

Eligibility: 10+2 with Biology or Botany/Zoology or Botany as subjects.

Admission Mode: Marks Based

Mumbai University, Mumbai

Course:B.Sc in Microbiology (3 subject combination)

Duration: 3 Years

Eligibility: 10+2 with Biology or Botany/Zoology or Botany as subjects.

Admission Mode: Marks Based

Madras Christian College, Chennai.

Course:B.Sc Microbiology.

Duration: 3 Years

Eligibility: 10+2 with Biology/Botany and Zoology as subjects.

Admission Mode: Marks Based

Fergusson College, Pune.

Course:B.Sc Microbiology.

Duration: 3 Years.

Eligibility: 10+2 with Biology as subject.

Admission Mode: Marks Based

Job Prospects

- Laboratories
- Private Hospitals
- Research Organizations
- Universities
- Pharmaceutical Industries
- Food Industry
- Beverage Industry
- Chemical Industries
- Environmental Agencies
- Agriculture Department

Disclaimer: The information provided here is best to our knowledge. It is highly recommended that you should cross-check the source of information through the specific Colleges and Institutes. Career Prabhu (Career Prabhu Pvt Ltd) is in no way responsible for the decisions made solely on the basis of this document.