



# HIMALAYAN SCHOOL OF BIO SCIENCES (HSBS)

AT HSBS, WE EMPOWER YOU AS THE NEXT GENERATION  
SCIENTIST WITH KNOWLEDGE, ANALYTICAL & RESEARCH  
SKILLS COVERING ALL FORMS OF LIFE

**M.Sc.** MASTER OF SCIENCE IN  
BIOTECHNOLOGY



# FACULTY

A combination of both industry & academia, the entire HSBS teaching faculty have doctoral degrees and are experts in their domain

## Teaching and Training

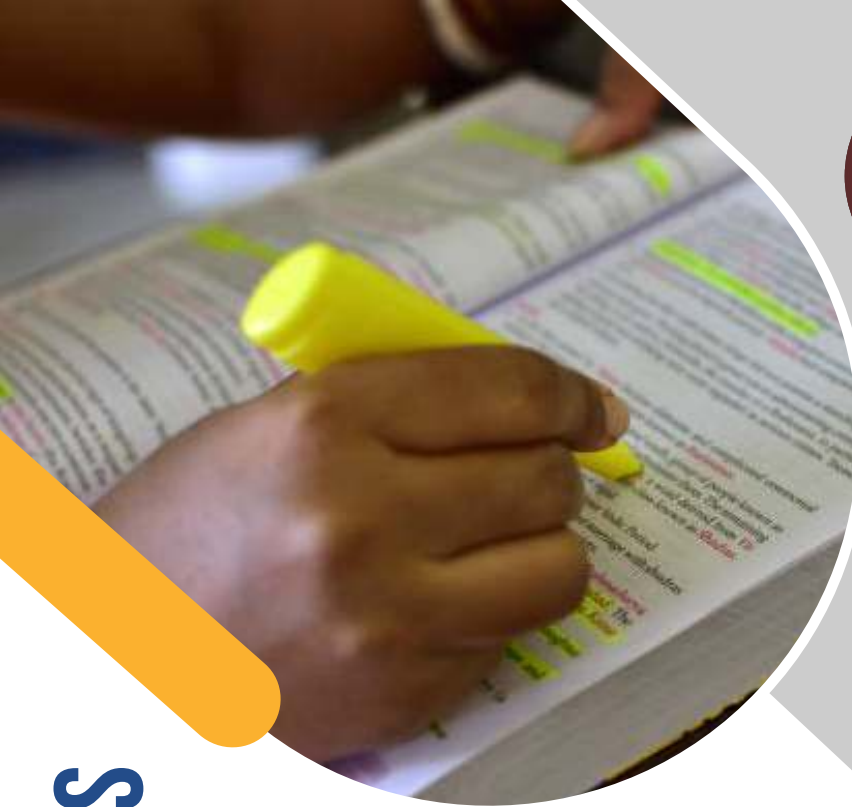
Student-centric pedagogy that stimulates learning and deep understanding of the subject

- Progressive & professionally recognized academic activities with emphasis on practical learning, innovation, skill development and exposure to the latest advancements in Bio Sciences
- Lectures, laboratory sessions, guest lectures by industry experts, tutorials, industry visits, workshops, seminars, inter-disciplinary programs, projects, group activities, one-on-one discussions, leveraging multimedia, and digital platforms
- Hands-on experience in specialist labs, conferences, seminars, special workshops, research-based projects, assignments/field projects, and practical work

# M.Sc.

MASTER OF SCIENCE IN  
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# HIGHLIGHTS

- Consistent exposure in frontier areas of applied Biotechnology
- Interactive and integrative learning
- Sophisticated and advanced instrumentation facility
- 100% summer training assignments
- Industry-academia interface

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M.Sc.



# SPECIALIZATION



Animal Biotechnology & Cancer Biology



Environmental Biotechnology & Industrial Biotechnology



Plant Biotechnology



Bioprocess Engineering

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# POSTGRADUATE DEGREE

## Master of Science in Biotechnology

With this M.Sc. program, you will be able to:

1. Gain understanding about the various fields of basic and advanced biotechnology, analyze and solve theoretical & applied biotechnological problems
2. Acquire extensive research experience and develop deep understanding in the specialist area of biotechnology and broad understanding of molecular biosciences
3. Analyze and evaluate information relevant to concepts and issues of contemporary biotechnology and competency for applied research
4. Effectively contribute as an individual or team member in R&D of both public and private sectors or other employment in biotechnology-based organizations
5. Efficiently comprehend & design scientific documentation, write case studies, research projects, make presentations, and communicate
6. Develop specialized skills suitable for the associated industries, startups, entrepreneurship etc.
7. Judge and evaluate legal, ethical, social and business aspects of biotechnology-based products and services
8. Understand and commit to professional & research ethics, and responsibilities

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# ELIGIBILITY & DURATION

## POSTGRADUATE PROGRAMS

M.Sc.

Candidates holding B.Sc. in Microbiology / Industrial Microbiology / Medical Microbiology / Clinical Microbiology/ Biochemistry / B.Sc. MLT/ Biotechnology / Zoology / Botany / Chemistry / Genetics / B. Pharma / Life Sciences degree with minimum 50% marks (for SC/ST/OBC candidates minimum 45% marks) in above mentioned courses are eligible to apply.

**2** YEARS

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[www.srhu.edu.in](http://www.srhu.edu.in)



# PROCESS

## POSTGRADUATE DEGREE Master of Science in Biotechnology

Admissions will be made on the basis of marks obtained in graduation and personal counselling & interactions conducted by the University Admission Committee with the candidate

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# EMPLOYMENT OPPORTUNITIES

Opportunities are available in drug and pharmaceutical research, public funded laboratories, chemical research, environment control, waste management, food processing, healthcare, bio-processing industries, etc.

## Job Roles

- Research Scientist
- Executive - Industrial Operations
- Medical Coding Professional
- Scientist
- Food / Industrial / Environmental Biotechnologist
- Officers in Government Legal Bodies i.e., Public Health, Grant Management, Defence, etc.

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# SCHOLARSHIPS

## **Merit Scholarship**

Upto 100% of Tuition Fee

## **Merit cum Means Scholarship**

Upto 50% of Tuition Fee

## **Special Scholarship**

Upto 100% of Tuition Fee for

- Ward of Armed Forces / Para Military Forces / Police Force Personnel (Serving and Retired; Non- Commissioned Officers)
- Transgender Candidates
- Differently abled Candidates

## **Free-ship Scholarship**

Completely free education for One Candidate in each academic program of the University who is an orphan / has no earning member in the family

## **Alumni Concession**

Upto 25% of Tuition Fee

## **Domicile Concession**

26% fee relaxation for the Students from Uttarakhand (Permanent Resident)

## **Interest Free Education Loan Facility**

Reservation Policy as specified by the State Government

\*Terms & Conditions Apply

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# PLACEMENTS

Excellent links with industry and leading research institutions

Dedicated Placement Cell provides 'Summer Internship' and 100% placement support



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# DEPARTMENT CONTACT



Established under Section 2(f)  
of UGC Act 1956, enacted vide an Act of  
Uttarakhand No. 12 of 2013

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