



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

B.Sc. BACHELOR OF SCIENCE
IN MICROBIOLOGY



FACULTY

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

Teaching and Training

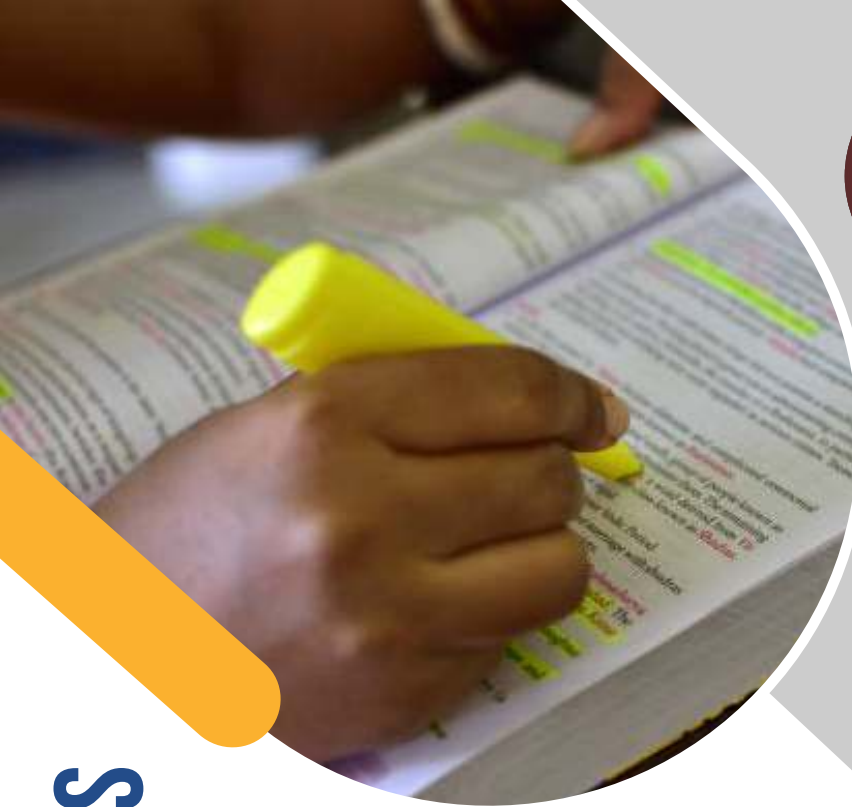
Student-centric pedagogy that stimulates learning and deep understanding of the subject

- 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
- Emphasis on practical learning, innovation, skill development and exposure to the latest advancements in Bio Sciences

B.Sc.

BACHELOR OF SCIENCE
IN MICROBIOLOGY





HIGHLIGHTS

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

B.Sc.

BACHELOR OF SCIENCE
IN MICROBIOLOGY





UNDERGRADUATE DEGREE

Bachelor of Science (Hons.) in Microbiology

With this B.Sc. (Hons.) program, you will be able to:

1. Understand the fundamentals and application of scientific concepts and methods of microbiology
2. Acquire knowledge of microorganisms and translate the basics & current updates of microbiology into contemporary global issues
3. Investigate, record and analyze data, critically evaluate information, undertake practical laboratory investigation and apply scientific thought on biological problems
4. Effectively contribute as an individual or team member of healthcare delivery system and in managing infectious diseases
5. Conduct research and development leveraging knowledge of microbial, molecular and cellular processes and its application
6. Efficiently comprehend & design scientific documentation, write case studies, research projects, make presentations, and communicate
7. Pursue higher studies in diverse areas of biological sciences or benefit from the opportunities created through entrepreneurship, and startups
8. Understand and commit to professional & research ethics, and responsibilities

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www.srhu.edu.in



ELIGIBILITY & DURATION

POSTGRADUATE DEGREE

B.Sc	The candidate must have passed 10+2, i.e., C.B.S.E./ I.S.C./ Intermediate Board examination or its equivalent, after a period of 12 years of study, the last two years of such study, comprising Physics, Chemistry, Biology and English from recognized board. The candidate must have passed in the subjects of Physics, Chemistry, Biology and English individually and must have aggregate in Physics, Chemistry and Biology taken together.	3 Years
B.Sc (Hons.) Microbiology		4 Years
B.Sc (Hons. with Research) Microbiology		4 Years

B.Sc.

BACHELOR OF SCIENCE
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PROCESS

UNDERGRADUATE DEGREE **Bachelor of Science (Hons.)** **in Microbiology**

Admissions will be made on the basis of marks obtained in 10+2 (Class XII) and personal counselling & interactions conducted by the University Admission Committee with the candidate

B.Sc.

**BACHELOR OF SCIENCE
IN MICROBIOLOGY**





FEE STRUCTURE

B.Sc. (Hons.) Microbiology		B.Sc	B.Sc (Hons.) Microbiology/ B.Sc (Hons. with Research) Microbiology	
Fee Category		Fee dues on	3 Years	4 Years
Tuition Fee	AIC	Per Semester	35,000	35,000
	PRU		25,900	25,900
Admission Fee		One time, at the beginning	7,500	7,500
Enrollment Fee			1,000	1,000
Refundable Security**			10,000	10,000
Examination Fee*		Per University Exam	5,000	5,000
Supplementary Exam Fee*		Per Course	1,000	1,000
Uniform & Sports-ware Fees			7,200	7,200
Vaccination Charges#		One time, at the beginning	1,500	1,500
Fee to be paid in First Semester		AIC	67,200	67,200
Fee to be paid in Other Semester			40,000	40,000
Fee to be paid in First Semester		PRU	58,100	58,100
Fee to be paid in Other Semester			30,900	30,900
TOTAL Fee (₹)		AIC	2,67,200	3,47,200
TOTAL Programme		PRU	2,12,600	2,74,400

AIC - All India Category | PRU – Permanent Resident of Uttarakhand

*Fee is subject to revision #If not vaccinated

**Refundable Security to be refunded after completion of programme

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BACHELOR OF SCIENCE IN MICROBIOLOGY





EMPLOYMENT OPPORTUNITIES

Opportunities are available in government, agriculture, aquaculture sector, chemical & pharmaceutical firms, research labs, FMCG etc.

Job Roles

- Calibration Technician
- Research Assistant
- Research Analyst
- Scientific Laboratory Technician
- Food / Industrial / Environmental Microbiologists
- Quality Assurance Technologists
- Medical Technologists 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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