



HIMALAYAN INSTITUTE OF MEDICAL SCIENCES (HIMS)

AT HIMALAYAN INSTITUTE OF MEDICAL SCIENCES WE EQUIP STUDENTS IN UNDERSTANDING OF ALL THE LIFE PROCESS SUCH AS CONTROL AND COORDINATION WITHIN A LIVING ORGANISM.

M.Sc. MEDICAL PHYSICS
PROGRAM

Approved by the Atomic Energy Regulatory Board (AERB), Govt. of India



FACULTY

The teaching approach fosters an engaging learning environment, emphasizing critical thinking, practical skills, and a strong understanding of medical physics. Key features include:

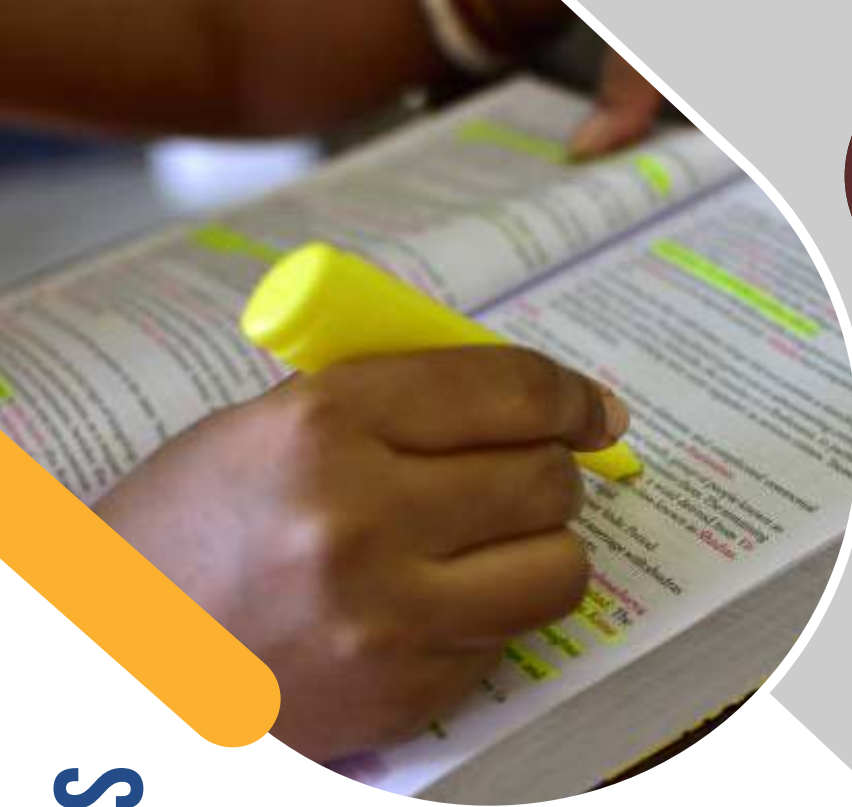
Teaching and Training

1. Interactive lectures using multimedia, case studies, and real-life examples.
2. Hands-on lab sessions for practical experience with medical physics tools.
3. Problem-based learning through experiments, data analysis, and simulations to strengthen theoretical knowledge and problem-solving skills.
4. Collaborative research with healthcare professionals, encouraging interdisciplinary teamwork such as between radiologists, radiation oncologists, cardiologists etc. to promote teamwork and interdisciplinary collaboration.
5. Clinical practicum under experienced supervision for hands-on experience in procedures like treatment planning and quality assurance.
6. Guest lectures from leading experts, covering the latest advancements and diverse perspectives.
7. Technology integration with simulations, virtual reality, and AI applications.
8. Continuous assessment through quizzes, assignments, and presentations.

M.Sc.

MEDICAL PHYSICS PROGRAM





HIGHLIGHTS

- M.Sc. Medical Physics approved by AERB, Govt. of India.
- Faculty trained at premier institutions like BARC and IIT.
- The Medical Physics lab features advanced facilities like thermoluminescence dosimeters, dosimetry systems, GM counting system, gamma-ray spectrometers, quality assurance kits, UV-Visible spectrophotometer, and core physics/electronics experimental setups.
- Advanced medical equipment includes high-energy linear accelerators, Brachytherapy system, CT, PET-CT, MRI, Ultrasound, X-ray machines, and C-arm equipment.
- Radiation detectors: Ionization chambers, GM counters, TLDs, and solid-state detectors.
- A robust central library, modern campus, and hostels.

M.Sc.

MEDICAL PHYSICS
PROGRAM



www.srhu.edu.in



POSTGRADUATE DEGREE

M.Sc. Medical Physics

The M.Sc. program aims to produce competent medical physicists. Graduates will:

1. Apply physics principles in radiotherapy and medical imaging.
2. Plan treatments and deliver precise radiation doses.
3. Perform quality assurance and equipment calibration.
4. Optimize radiation dose through accurate measurements.
5. Qualify for the Radiation Safety Officer (RSO) exam.
6. Communicate effectively with patients and caregivers.
7. Uphold ethical practices and pursue excellence.
8. Engage in research and development in medical physics.

M.Sc.

MEDICAL PHYSICS
PROGRAM





ELIGIBILITY & DURATION

POSTGRADUATE PROGRAMS

M.Sc. Medical Physics

B.Sc. with a minimum of 60% aggregate marks, with Physics as a major subject

2

YEARS

COURSEWORK, FOLLOWED BY A
MANDATORY 1-YEAR INTERNSHIP

M.Sc.

MEDICAL PHYSICS
PROGRAM



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PROCESS

POSTGRADUATE PROGRAMS M.Sc. Medical Physics

Selection will be made as per merit list prepared on the basis of marks secured in the qualifying examination and Counselling by Admission committee or as decided by university from time to time.

M.Sc.

MEDICAL PHYSICS PROGRAM





FEE STRUCTURE

Master of Science in Medical Physics

Fee Category		Fee dues on	2 Years
Tuition Fee	AIC	Per Semester	1,00,000
	PRU		74,000
Admission Fee		One time, at the beginning	10,000
Enrollment Fee			1,000
Refundable Security**			7,500
Examination Fee*		Per University Exam	10,000
Supplementary Exam Fee*		Per Course	2,500
Uniform & Sports-ware Fees			7,200
Vaccination Charges#		One time, at the beginning	1,500

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

*Fee is subject to revision | Value Added Programs fee will be charged at a stand-alone for each semester

**Refundable Security to be refunded after completion of programme. #If not vaccinated

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EMPLOYMENT OPPORTUNITIES

MSc Medical Physics offers a fast-paced interactive network with job opportunities across the world at various levels

- Medical Physicist
- Radiation Safety Officer
- Quality Control Manager
- Doctoral and Post-Doctoral Fellow
- Academicians/Faculty members
- Scientific Officer/Scientist in BARC, AERB, DRDO, AIIMS etc.
- Application specialists in major companies like Siemens, Varian, Philips, GE etc.
- Entrepreneurship/Startups in medical technology

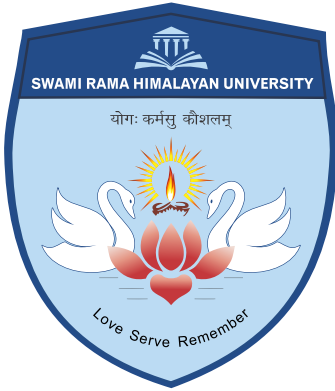
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DEPARTMENT CONTACT



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

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