



Swami Rama Himalayan University

NAAC A+, UGC-Entitled, NIRF #101-150

BCA (Hons.) - WLP

Type

Ug Program

Mode

Work-Linked

Duration

4 Years

Total fees

₹ 125,000

Swami Rama Himalayan University

Swami Rama Himalayan University (SRHU), located in Dehradun, Uttarakhand, is a multidisciplinary institution dedicated to academic excellence, innovation and holistic development. The University offers programs across management, healthcare, science, technology, humanities and other professional disciplines. It combines quality teaching with research, practical learning and industry-oriented education to prepare students for evolving career opportunities. Supported by experienced faculty and modern learning resources, SRHU encourages ethical leadership, entrepreneurship and social responsibility. Through campus-based and online education, the University strives to make meaningful, career-focused learning accessible to students from diverse backgrounds.

BCA (Hons.) - WLP

Highlights

- ◆ Work-linked pathway combining digital academic modules with internship or company-linked practical exposure.
- ◆ Subject learning covers Fundamentals of Information Technology, Programming Concepts using C Language, Introduction to AI, and Mathematics-I, helping learners connect computer applications, programming, and IT systems with workplace situations.
- ◆ Practical touchpoints encourage professional discipline, communication, and responsibility in real or simulated work contexts.
- ◆ Flexible delivery supports learners who want academic progress without losing exposure to applied environments.
- ◆ Strengthens employability, workplace readiness, and domain awareness for pathways in Software Developer, Web Designer, and Database Administrator and related software support, application development, IT operations, and systems-related roles, with added focus on concept clarity.

Learning outcomes

- ◆ Within BCA (Hons) - WLP from SRHU Online, examine software requirements, data workflows, and user-facing digital systems through the lens of Fundamentals of Information Technology, Programming Concepts using C Language, Introduction to AI, and Mathematics-I.
- ◆ Use relevant tools, theories, or frameworks to address application development, database handling, and technology troubleshooting tasks.
- ◆ Compare options and make reasoned judgements about technology choices that consider usability, performance, and maintainability.
- ◆ Prepare programs, database designs, web pages, and technical documentation with clarity, evidence, and subject-specific vocabulary.
- ◆ Connect digital learning with internship or company-linked exposure to understand workplace expectations in computer applications, programming, and IT systems, while strengthening concept clarity.

Eligibility Criteria

The candidate must have passed 12th or an equivalent examination from a recognised board.

Curriculum Overview

Semester I (6 subjects)

- ◆ OLBC111 - Fundamentals of Information Technology
- ◆ OLBC112 - Programming Concepts using C Language
- ◆ OLBC113 - Introduction to AI
- ◆ OLBC114 - Mathematics-I
- ◆ OLBC115 - English Communication
- ◆ OLBC116 - Environmental Studies

Semester II (6 subjects)

- ◆ OLBC121 - Introduction to Data Science
- ◆ OLBC122 - Data Structures using C
- ◆ OLBC123 - Fundamentals of Digital Marketing
- ◆ OLBC124 - Mathematics -II
- ◆ OLBC124/OLBC125 - Value Added Course-Elective
- ◆ OLBC127 - Soft Skills



Curriculum Overview (continued)

Semester III (6 subjects)

- ◆ OLBC231 - Object Oriented Programming using JAVA
- ◆ OLBC232 - Database Management Systems
- ◆ OLBC233 - Data Communication and Computer Networks
- ◆ OLBC234 - Computer Organization
- ◆ OLBC235 - Discrete Mathematics
- ◆ OLBC236 - Human Values & Professional Ethics

Semester IV (6 subjects)

- ◆ OLBC241 - Web Technology
- ◆ OLBC242 - Python Programming
- ◆ OLBC243 - Operating Systems
- ◆ OLBC244 - Prompt Engineering
- ◆ OLBC245 - Business Communication
- ◆ OLBC241/OLBC242 - Discipline Specific Elective-I

Semester V (6 subjects)

- ◆ OLBC351 - Design and Analysis of Algorithms
- ◆ OLBC352 - (Dot) Net Framework using C#
- ◆ OLBC353 - Introduction to Cyber Security
- ◆ OLBC354 - Introduction to Deep Learning
- ◆ OLBC351/OLBC352 - Discipline Specific Elective-II
- ◆ OLBCP351 - Internship/Skill Certification**



Curriculum Overview (continued)

Semester VI (6 subjects)

- ◆ OLBC361 - Data Visualization Techniques
- ◆ OLBC362 - Software Engineering
- ◆ OLBC363 - Introduction to Social Media Technologies
- ◆ OLBC364 - Cloud Computing
- ◆ OLBC361/OLBCE362 - Discipline Specific Elective III
- ◆ OLBCP361 - Project Work

BCA (Hons.) - Semester VII (4 subjects)

- ◆ OLBC471 - Design Thinking
- ◆ OLBC472 - Introduction to DevOps
- ◆ OLBC471/OLBCE472 - Discipline Specific Elective-IV
- ◆ OLBCP471 - Major Project Work / Research Work

BCA (Hons.) - Semester VIII (3 subjects)

- ◆ OLBC481 - Fundamentals of Big Data
- ◆ OLBCP481 - Project Development & Dissertation
- ◆ OLBC483 - Software Testing

BCA (Honours With Research) - Semester VIII (3 subjects)

- ◆ OLBC481 - Research Methodology
- ◆ OLBCR481 - Research & Dissertation
- ◆ OLBC483 - Research Analysis using SPSS & R



Curriculum Overview (continued)

Value Added Course (2 subjects)

- ◆ OLBC125 - Principles of Management
 - ◆ OLBC126 - Financial Accounting
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Discipline Specific Elective I (2 subjects)

- ◆ OLBC241 - NoSQL Databases
 - ◆ OLBC242 - Introduction to Natural Language Processing
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Discipline Specific Elective II (2 subjects)

- ◆ OLBC351 - E-Commerce
 - ◆ OLBC352 - Multimedia and Animations
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Discipline Specific Elective III (2 subjects)

- ◆ OLBC361 - Digital Image Processing
 - ◆ OLBC362 - Cyber Security Ethics and Laws
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Discipline Specific Elective IV (2 subjects)

- ◆ OLBC471 - Applied Data Science using Python
- ◆ OLBC472 - Fundamentals of Ethical Hacking

Fee Structure

Fee heads	Year 1	Year 2	Year 3	Year 4	Total
Registration/Application Fee	₹ 1,000	—	—	—	₹ 1,000
Program Fee	₹ 20,000	₹ 20,000	₹ 20,000	₹ 20,000	₹ 80,000
Exam Fee	₹ 4,000	₹ 4,000	₹ 4,000	₹ 4,000	₹ 16,000
Apprenticeship Fee	₹ 7,000	₹ 7,000	₹ 7,000	₹ 7,000	₹ 28,000
Total	₹ 32,000	₹ 31,000	₹ 31,000	₹ 31,000	₹ 125,000

Career & Placement highlights



99.03%

of graduates placed