



Swami Rama Himalayan University

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

BCA (Hons.)

Type

Ug Program

Mode

Online

Duration

4 Years

Total fees

₹ 97,000

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.)

Highlights

- ◆ Flexible study structure that keeps quality education accessible for students beginning their higher education journey.
- ◆ Emphasis on Fundamentals of Information Technology, Programming Concepts using C Language, Introduction to AI, and Mathematics-I, ensuring the course stays closely aligned with computer applications, programming, and IT systems.
- ◆ Encourages steady academic progress through organized content, assessments, and guided learning support.
- ◆ Helps learners interpret real situations, evaluate information, and communicate ideas with subject confidence.
- ◆ Relevant for learners seeking meaningful growth in software support, application development, IT operations, and systems-related roles, including areas such as Software Developer, Web Designer, and Database Administrator, based on their goals and experience, with added focus on learner independence.

Learning outcomes

- ◆ Within BCA (Hons) from SRHU Online, interpret key ideas in computer applications, programming, and IT systems and relate them to software requirements, data workflows, and user-facing digital systems.
- ◆ Solve structured problems involving application development, database handling, and technology troubleshooting tasks through appropriate concepts and methods.
- ◆ Assess technology choices that consider usability, performance, and maintainability with attention to logic, accuracy, security awareness, and user focus.
- ◆ Communicate insights through programs, database designs, web pages, and technical documentation suited to the discipline.
- ◆ Strengthen academic confidence and practical orientation for pathways in software support, application development, IT operations, and systems-related roles, including areas such as Software Developer, Web Designer, and Database Administrator, while strengthening learner independence.

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
- ◆ OLBCE471/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

Discipline Specific Elective I (2 subjects)

- ◆ OLBC241 - NoSQL Databases
- ◆ OLBC242 - Introduction to Natural Language Processing

Discipline Specific Elective II (2 subjects)

- ◆ OLBC351 - E-Commerce
- ◆ OLBC352 - Multimedia and Animations

Discipline Specific Elective III (2 subjects)

- ◆ OLBC361 - Digital Image Processing
- ◆ OLBC362 - Cyber Security Ethics and Laws

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
Total	₹ 25,000	₹ 24,000	₹ 24,000	₹ 24,000	₹ 97,000

Career & Placement highlights



99.03%

of graduates placed