



Swami Rama Himalayan University

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

MCA - WLP

Type

Pg Program

Mode

Work-Linked

Duration

2 Years

Total fees

₹ 83,000

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.

MCA - WLP

Highlights

- ◆ A work-linked format that makes computer applications, programming, and IT systems more applied through digital study and practical exposure.

- ◆ Learners engage with Advanced Data Structures, Discrete Mathematics, programming fundamentals, and database management, with emphasis on concepts that can be seen in professional settings.

- ◆ Company-linked or internship exposure helps students understand workplace expectations and role discipline.

- ◆ Flexible structure allows learners to continue academic progress while gaining practical awareness.

- ◆ Builds a more rounded profile by combining knowledge, application, and employability-focused skills, with added focus on problem-solving discipline.

Learning outcomes

- ◆ Within MCA - WLP from SRHU Online, analyze software requirements, data workflows, and user-facing digital systems using concepts from Advanced Data Structures, Discrete Mathematics, programming fundamentals, and database management.
- ◆ Apply subject knowledge to solve application development, database handling, and technology troubleshooting tasks with greater structure and clarity.
- ◆ Evaluate technology choices that consider usability, performance, and maintainability while considering logic, accuracy, security awareness, and user focus.
- ◆ Create or present programs, database designs, web pages, and technical documentation with clear structure and practical relevance.
- ◆ Translate classroom concepts into workplace-ready responses for tasks related to Software Architect, Data Scientist, and Systems Analyst and related software support, application development, IT operations, and systems-related roles, while strengthening problem-solving discipline.

Eligibility Criteria

Regular Candidates: The candidate must have Passed BCA/ B.Sc. (Computer Science)/ B.Sc. (IT) / B.E. (CSE)/ B.Tech. (CSE) / B.E. (IT) / B.Tech. (IT) or equivalent Degree - OR - Passed any graduation degree (B.E. / B.Tech. / B.Sc / B.Com. / B.A./ B.Voc./ etc.,) preferably with Mathematics at 10+2 level or at Graduation level And has obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in qualifying examination.

With Work Experience: The Candidate possessing a minimum of 02(two) years of work experience is required to hold a Bachelor's degree, or an equivalent qualification, in any discipline preferably with Mathematics at 10+2 level or at Graduation level from a recognized HEI/University.

Curriculum Overview

Semester I (5 subjects)

- ◆ OLMCA111 - Advanced Data Structures
- ◆ OLMCA112 - Discrete Mathematics
- ◆ OLMCA113 - Advanced Computer Architecture
- ◆ OLMCA114 - Data Communication and Computer Networks
- ◆ OLMCA115 - Software Engineering & Project Management



Curriculum Overview (continued)

Semester II (6 subjects)

- ◆ OLMCA121 - Advanced Data Base Management Systems
- ◆ OLMCA122 - Advanced Java Programming
- ◆ OLMCA123 - Advanced Operating Systems
- ◆ OLMCA124 - Theory of Automata
- ◆ OLMCE121/OLMCE122 - Discipline Specific Elective-I
- ◆ OLMCE123/OLMCE124 - Discipline Specific Elective-II

Semester III (6 subjects)

- ◆ OLMCA231 - Design and Analysis of Algorithms
- ◆ OLMCA232 - Compiler Design
- ◆ OLMCA233 - Advanced Python Programming
- ◆ OLMCA234 - Full Stack Development
- ◆ OLMCE231/OLMCE232 - Discipline Specific Elective-III
- ◆ OLMCE233/OLMCE234 - Discipline Specific Elective-IV

Semester IV (1 subject)

- ◆ OLMPW241 - Project Work / OLMRD241 - Research Work

Discipline Specific Elective I (2 subjects)

- ◆ OLMCE121 - Cryptocurrency and Blockchain Technologies
- ◆ OLMCE122 - Computer Based Optimization Techniques



Curriculum Overview (continued)

Discipline Specific Elective II (2 subjects)

- ◆ OLMCE123 - DevOps and Microservices
 - ◆ OLMCE124 - Social Network Analytics
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Discipline Specific Elective III (2 subjects)

- ◆ OLMCE231 - Cryptography
 - ◆ OLMCE232 - Artificial Intelligence
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Discipline Specific Elective IV (2 subjects)

- ◆ OLMCE233 - Data Visualization Techniques
- ◆ OLMCE234 - Digital Forensics

Fee Structure

Fee heads	Year 1	Year 2	Total
Registration/Application Fee	₹ 1,000	—	₹ 1,000
Program Fee	₹ 30,000	₹ 30,000	₹ 60,000
Exam Fee	₹ 4,000	₹ 4,000	₹ 8,000
Apprenticeship Fee	₹ 7,000	₹ 7,000	₹ 14,000
Total	₹ 42,000	₹ 41,000	₹ 83,000

Career & Placement highlights



99.03%

of graduates placed