



Swami Rama Himalayan University

NAAC A+



ONLINE BACHELOR OF **COMPUTER** **APPLICATIONS** **HONS.**

ABOUT SWAMI RAMA HIMALAYAN UNIVERSITY

Swami Rama Himalayan University (SRHU), nestled in the serene Himalayan foothills of Dehradun, has a legacy of **30+ years** of transforming education through innovation and inclusivity.

Recognized by UGC and NAAC accredited, SRHU offers quality-driven online programs that empower learners with real-world skills.



WHY CHOOSE US?



NAAC 'A+'

Grade
Accredited
University



**NEP 2020 &
UGC COMPLIANT**



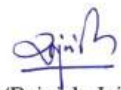
Government
Recognized & Globally
Accepted



30+ YEARS

of Academic
Excellence

ONLINE DEGREE = REGULAR DEGREE

 ज्ञान-विज्ञान विमुक्तये प्रो. रजनीश जैन सचिव Prof. Rajnish Jain Secretary	 सत्यमेव जयते	विश्वविद्यालय अनुदान आयोग University Grants Commission (शिक्षा मंत्रालय, भारत सरकार) (Ministry of Education, Govt. of India) बहादुरशाह जफर मार्ग, नई दिल्ली-110002 Bahadur Shah Zafar Marg, New Delhi-110002 Ph.: 011-23236288/23239337 Fax : 011-2323 8858 E-mail : secy.ugc@nic.in
F. No.3-5/2022(DEB-III)	<u>PUBLIC NOTICE</u>	August, 2022 02 SEP 2022
<u>Equivalence of degree obtained through ODL and Online mode with degree obtained through conventional mode</u>		
<p>The Regulation 22 of the University Grants Commission (Open and Distance Learning Programmes and Online Programmes) Regulations, 2020 stipulates as under;</p> <p>"Equivalence of qualification acquired through Conventional or Open and Distance Learning and Online modes.— Degrees at undergraduate and postgraduate level in conformity with UGC notification on Specification of Degrees, 2014 and post graduate diplomas awarded through Open and Distance Learning mode and/or Online mode by Higher Educational Institutions, recognised by the Commission under these regulations, shall be treated as equivalent to the corresponding awards of the Degrees at undergraduate and postgraduate level and post graduate diplomas offered through conventional mode."</p> <p>This is for information of the general public, students and other stakeholders.</p>		
 (Rajnish Jain)		

As per UGC Regulations 2020 (Reg. 22), online degrees hold the same academic value as traditional degrees.

BACHELOR OF COMPUTER APPLICATIONS HONS.



Duration

04 Years
(8 Semesters)



Mode of Learning

100%
ONLINE

COURSE ELIGIBILITY

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

COURSE DESCRIPTION:

The BCA Hons. online program at SRHU is an undergraduate technology program that builds strong foundations in programming, software development, and IT infrastructure. These programs are built to ensure that the student can learn flexibly while they go around with their busy schedule.

COURSE STRUCTURE

SEMESTER-I						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Fundamentals of Information Technology	15	15	-	-	70	100
Programming Concepts using C Language	15	15	-	-	70	100
Introduction to AI	15	15	-	-	70	100
Mathematics-I	15	15	-	-	70	100
English Communication	15	15	-	-	70	100
Multidisciplinary Elective I	15	15	-	-	70	100
Fundamentals of Information Technology lab	-	-	15	15	70	100
Programming Concepts using C Language Lab	-	-	15	15	70	100
TOTAL	90	90	30	30	560	800

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

SEMESTER-II						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Introduction to Data Science	15	15	-	-	70	100
Data Structures using C	15	15	-	-	70	100
Multidisciplinary Elective II	15	15	-	-	70	100
Mathematics -II	15	15	-	-	70	100
Environmental Studies	15	15	-	-	70	100
Introduction to Data Science Lab	-	-	15	15	70	100
Data Structures using C Lab	-	-	15	15	70	100
Soft Skills-I	15	15	-	-	70	100
TOTAL	90	90	30	30	560	800

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

COURSE STRUCTURE

SEMESTER-III						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Object Oriented Programming using JAVA	15	15	-	-	70	100
Database Management Systems	15	15	-	-	70	100
Data Communication and Computer Networks	15	15	-	-	70	100
Computer Organization	15	15	-	-	70	100
Multidisciplinary Elective III	15	15	-	-	70	100
Object Oriented Programming using JAVA Lab	-	-	15	15	70	100
Database Management Systems Lab	-	-	15	15	70	100
Data Communication and Computer Networks Lab	-	-	15	15	70	100
AWS usage and applications	-	-	15	15	70	100
Human Values & Professional Ethics	15	15	-	-	70	100
TOTAL	90	90	60	60	700	1000

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

SEMESTER-IV						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Design and Analysis of Algorithms	15	15	-	-	70	100
(Dot) Net Framework using C#	15	15	-	-	70	100
Introduction to Cyber Security	15	15	-	-	70	100
Minor Elective-II*	15	15	-	-	70	100
Discipline Specific Elective-I	15	15	-	-	70	100
Design and Analysis of Algorithms Lab	-	-	15	15	70	100
(Dot) Net Framework using C# Lab	-	-	15	15	70	100
Salesforce usage and applications	-	-	15	15	70	100
Internship/Skill Certification**	-	-	15	15	70	100
TOTAL	90	90	60	60	700	1000

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

COURSE STRUCTURE

SEMESTER-V						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Design and Analysis of Algorithms	15	15	-	-	70	100
(Dot) Net Framework using C#	15	15	-	-	70	100
Introduction to Cyber Security	15	15	-	-	70	100
Minor Elective-II*	15	15	-	-	70	100
Discipline Specific Elective-I	15	15	-	-	70	100
Design and Analysis of Algorithms Lab	-	-	15	15	70	100
(Dot) Net Framework using C# Lab	-	-	15	15	70	100
Salesforce usage and applications	-	-	15	15	70	100
Internship/Skill Certification**	-	-	15	15	70	100
TOTAL	75	75	60	60	630	900

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

SEMESTER-VI						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Introduction to Drone Technology	15	15	-	-	70	100
Software Engineering	15	15	-	-	70	100
Introduction to Social Media Technologies	15	15	-	-	70	100
Cloud Computing	15	15	-	-	70	100
Multidisciplinary Elective III	15	15	-	-	70	100
Project Work	-	-	15	15	70	100
TOTAL	75	75	15	15	420	600

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

COURSE STRUCTURE

SEMESTER-VII						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Design Thinking	15	15	-	-	70	100
Discipline Specific Elective-II	15	15	-	-	70	100
Minor Elective-IV	15	15	-	-	70	100
Minor Elective-V	15	15	-	-	70	100
Minor Elective-V LAB	-	-	15	15	70	100
Major Project Phase-I***	-	-	15	15	70	100
TOTAL	60	60	30	30	420	600

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

SEMESTER-VIII						
Course Title	Continuous Internal Assessment (Theory)		Continuous Internal Assessment (Lab)		ESE	Grand Total
	Assessment 1	Assessment 2	Assessment 1	Assessment 2		
Fundamentals of Big Data	15	15	-	-	70	100
Entrepreneurship and Innovation	15	15	-	-	70	100
Software Testing	15	15	-	-	70	100
Major Project Phase-II***	-	-	15	15	70	100
TOTAL	45	45	15	15	280	400

L-Lecture, T-Tutorial, P-Practical/Practices, Assign- Assignment, ESE- End Semester Examination, MD-I choose from Elective list (Students can choose only one elective from this bucket)

COURSE STRUCTURE

COURSE ELECTIVE			
Minor Elective No		Minor Streams	
	Bucket 1: Data Science	Bucket 2: Artificial Intelligence	Bucket 3: Cyber Security
1	Course Code MST211	Course Code MST221	Course Code MST231
	Course Title NoSQL Databases	Course Title Introduction to Natural Language Processing	Course Title Cryptography and Network Security
2	Course Code MST312	Course Code MST322	Course Code MST332
	Course Title Machine Learning for Data Science by MOOC	Course Title Introduction to Machine Learning by MOOC	Course Title Machine Learning Fundamentals for Cyber Security by MOOC
3	Course Code MST313	Course Code MST323	Course Code MST333
	Course Title Data Visualization Techniques	Course Title Introduction to Deep Learning	Course Title Introduction to Digital Forensics
4	Course Code MST414	Course Code MST424	Course Code MST434
	Course Title Digital Image Processing	Course Title Digital Image Processing	Course Title Cyber Security Ethics and Laws
5	Course Code MST415	Course Code MST425	Course Code MST435
	Course Title Applied Data Science using Python	Course Title Problem Solving and Robotics	Course Title Fundamentals of Ethical Hacking
6	Course Code MSP415	Course Code MSP425	Course Code MSP435
	Course Title Applied Data Science using Python Lab	Course Title Problem Solving and Robotics Lab	Course Title Fundamentals of Ethical Hacking Lab

DISCIPLINE SPECIFIC ELECTIVE – I						
S.No.	Course Code	Course Title	L	T	P	C
1	BCE355	Block chain Technology and Applications	3	0	0	3
2	BCE356	Data warehousing and data Mining	3	0	0	3
3	BCE357	Business Intelligence Tools and Applications	3	0	0	3

COURSE STRUCTURE

DISCIPLINE SPECIFIC ELECTIVE II						
S.No.	Course Code	Course Title	L	T	P	C
1	BCE471	Wireless Communication	3	0	0	3
2	BCE472	E-Commerce	3	0	0	3
3	BCE473	Multimedia and Animations	3	0	0	3

MULTIDISCIPLINARY ELECTIVE I							
S.No.	Course Code	Course Title	L	T	P	C	Category as per Curriculum and Credit Framework for Undergraduate Programme Guidelines provided by UGC
1	BMD111	Principles of Management	3	0	0	3	Commerce and Management
2	BMD112	Fundamentals of Accounting and Finance	3	0	0	3	Commerce and Management

COURSE STRUCTURE

MULTIDISCIPLINARY ELECTIVE II							
S.No.	Course Code	Course Title	L	T	P	C	Category as per Curriculum and Credit Framework for Undergraduate Programme Guidelines provided by UGC
1	BMD351	Renewable Energy Sources	3	0	0	3	Humanities and Social Sciences
2	BMD352	Disaster Management	3	0	0	3	Humanities and Social Sciences
3	BMD353	Industrial Sociology	3	0	0	3	Humanities and Social Sciences

MULTIDISCIPLINARY ELECTIVE II							
S.No.	Course Code	Course Title	L	T	P	C	Category as per Curriculum and Credit Framework for Undergraduate Programme Guidelines provided by UGC
1	BMD361	Optimization Techniques	3	0	0	3	Mathematics, Statistics, and Computer Applications
2	BMD362	Discrete Mathematics	3	0	0	3	Mathematics, Statistics, and Computer Applications
3	BMD363	Introduction to Internet of Things	3	0	0	3	Computer Applications

FEE STRUCTURE

BCA(HONS)	3 RD YEARS						4 TH YEAR WITH HONS.	
	SEM I	SEM II	SEM III	SEM IV	SEM V	SEM VI	SEM VII	SEM VIII
PROGRAM FEE	₹ 10,000/-	₹ 10,000/-	₹ 10,000/-	₹ 10,000/-	₹ 10,000/-	₹ 10,000/-	₹ 10,000/-	₹ 10,000/-
EXAM FEE	₹ 2,000/-	₹ 2,000/-	₹ 2,000/-	₹ 2,000/-	₹ 2,000/-	₹ 2,000/-	₹ 2,000/-	₹ 2,000/-
TOTAL SEMESTER FEE	₹ 12,000/-	₹ 12,000/-	₹ 12,000/-	₹ 12,000/-	₹ 12,000/-	₹ 12,000/-	₹ 12,000/-	₹ 12,000/-
TOTAL YEAR FEE	₹ 24,000/-			₹ 24,000/-		₹ 24,000/-		₹ 24,000/-
TOTAL FEE				₹ 96,000/-				

***Discounted fee if payment is done of a yearly basis:**

~~₹24,000~~ **₹22,000**

***Discounted fee if payment is done of a one-time basis:**

~~₹96,000~~ **₹84,000**

ADMISSION PROCESS





CAREER OPPORTUNITIES AFTER A BCA HONS.

Graduates can pursue careers as:



Software
Developer



Web/App
Developer



System
Analyst



IT Support
Specialist



Database
Administrator



Cyber Security
Analyst



Entrepreneur /
Start-up
Founder

SAMPLE CERTIFICATE

नामांकन संख्या :
(Enrollment No.)

पंजीकरण संख्या :
(Registration No.)



प्रणाली :
(Mode) (Online)

उपाधि क्रमांक :
(Degree Serial No.)

स्वामी राम हिमालयन विश्वविद्यालय

(गुरुकुल अधिनियम, 1956 की धारा 2(एफ) के अंतर्गत उत्तराखण्ड राज्य अधिनियम द्वारा स्थापित)
(वैक ए* प्रत्याशित)

SWAMI RAMA HIMALAYAN UNIVERSITY

(Established under Section 2(f) of U.G.C. Act, 1956 vide Uttarakhand State Act.)
(NAAC A* Accredited)

हम, विश्वविद्यालय के अध्यक्ष, कुलपति व प्रबन्धन मण्डल के सदस्य घोषित करते हैं कि

छात्र नाम

(सुपुत्र श्रीमती माता नाम एवं श्री पिता नाम)

को

विश्वविद्यालय के वर्ष २०२५ की परीक्षा उत्तीर्ण करने पर

ऑनलाइन शिक्षा पद्धति के माध्यम से

मास्टर ऑफ बिजनेस एडमिनिस्ट्रेशन (फाइनेंस)

की उपाधि से विभूषित किया जाता है।

*We, the President, Vice Chancellor and Members of
the Board of Management of the University do hereby make known that the Degree of
Master of Business Administration (Finance)*

in online education mode

has been conferred upon

Student Name

(S/o Mrs. Mother's Name and Mr. Father's Name)

after having passed the University Examination in the year 2025.

Photo

स्वामी राम हिमालयन विश्वविद्यालय
Swami Rama Himalayan University

कुलपति
Vice Chancellor

अध्यक्ष
President

Start Your Journey

WITH

**SWAMI RAMA HIMALAYAN
UNIVERSITY**



For more information contact:

 **04448135513**

