JAIPUR NATIONAL UNIVERSITY

A Venture of The Seedling Group of Educational Institutions

Approved by UGC, Accredited by NAAC

2017-18

PROSPECTUS


JAIPUR NATIONAL UNIVERSITY
ADMN.
BLOCK

Chairperson, Mahima Shiksha Samiti

'With a dream I closed my eyes, with a vision I rose; that I wish to travel the road yet unknown'.

Jaipur National University is the result of such a holistic vision encompassing excellence in education at all levels from Pre-Primary to University. A holistic vision aims to facilitate intellectual stimulation, and to generate, maintain and disseminate knowledge.

25 years since its inception, the Seedling Group of Institutions has achieved its vision after the establishment of Jaipur National University in 2007. Students at the University are empowered with skills and knowledge to meet challenges in a competitive work environment. Excellence is synergized through the provision of world-class facilities, faculty and infrastructure giving the students that cutting edge, which is essential for success in today's global environment.

Courses offered at the University are innovative and pragmatic, and include disciplines like Engineering, Management, Mass Media & Animation, Information Technology, Computer Science, Law, Pharmacy, Hotel Management, Life Sciences, Education, Social Sciences, Languages, and Basic Sciences, etc. Students are thus offered a wide access to opportunities in higher education. Several courses are also offered through Distance Mode. International collaborations ensure hands on exposure to global trends which have an impact on higher education.

At JNU we are committed to a high degree of professionalism. We welcome students who aspire to excel in studies to become true professionals and worthy citizens of our great nation.

Mrs. Mohini Bakshi
(Chairperson)

MESSAGE

From the desk of Chancellor/Chairman

"A body of determined spirits fired by an unquenchable faith in their mission can alter the course of history."

Jaipur National University aims to create a world of knowledge and learning with a difference. It strives at excellence to provide pragmatic and useful education. The University is quite sensitive and concerned to impart education to the youth of 21st century. We are going to reshape the future of our great country. A holistic and interrogative mind alone can make the youth competitive and globally acceptable. Education assaults strings of superstitions and taken-for-granted beliefs, and generates a critical and reflective thinking among men and women. Jaipur National University is committed to such a philosophy and intellectual empowerment of young men and women.

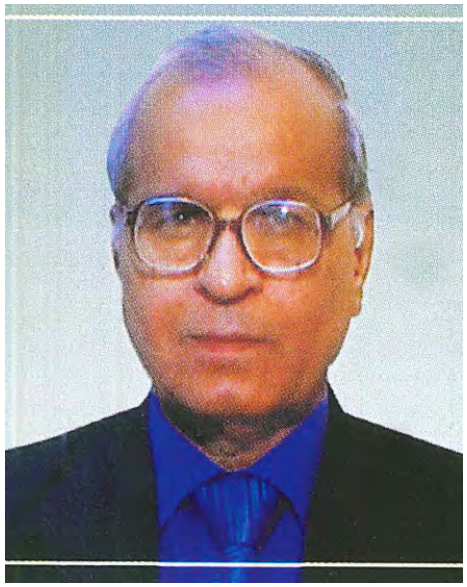
Keeping in view our holistic goal, we have created Schools and Departments, incorporating several disciplines and specializations. We have job-oriented programmes of study and research, which include Animation, Hospitality, Engineering, Management, Pharmacy, Life Sciences, Education, Law, Media, Computer and Systems Sciences, Humanities and Social Sciences. Our effort is to equip the students in these domains of theory and praxis. A semblance of the two alone can ensure a balanced intellectual development of a student.

The principle of limit does not apply to education. It is not only universal; it is also a desirable means of enlightenment and liberation. We have taken into consideration such a philosophy of education while formulating our programmes of study and in the implementation of the same through classroom teaching, seminars and discussions, and by way of state-of-art infrastructure and teaching aids.

We welcome you to the Jaipur National University, a center of excellence, and a unique place for knowledge and learning.

Dr. Sandeep Bakshi
(Chancellor/Chairman)

MESSAGE



From the desk of Pro-Chancellor/Pro-Chairman

"If progress is to be steady we must have long term guides extending far ahead."
As one of the best universities of India, Jaipur National University, Jaipur (JNU) has an impact not only at local and national levels but at international level too, with the collaborations and associations of many renowned national/foreign institutions. Jaipur National University is recognized as a socially-inclusive institution of higher education in various professional and technical sectors. Since its inception in 2007, the University has been consistently attracting students from all parts of India and abroad.

We endeavour to produce thinking minds with a bright vision of the future driven by a mission to make a difference in the workplace, through deep sense of dedication, integrity and tenacity. With around 10000 students and over 400 faculty members – 16 schools are striving to accomplish the noble Vision and Mission of the University. By working closely with our students' community, we are indeed proud to play a leadership role in stimulating innovative spirits, fostering inquisitiveness and enhancing independent thinking both in our students and faculty members.

We get motivation and inspiration from the Government, Society, and Industries along with our students' community to proceed towards rapid socio-economic transformation in order to establish the image of a "student-centred institution". Besides, the University also organizes various co-curricular activities to provide a global platform to the students for their overall development. We strongly value our collaborations with industries, professional associations and institutions of higher education in India and abroad.

I congratulate the students on their new venture through Jaipur National University as it offers a unique opportunity to the students to become a part of the learning process in an open and advanced academic environment.

Best Wishes!!

Professor K.L. Sharma
(Pro-Chancellor/Pro-Chairman)

MESSAGE

MESSAGE

From the desk of Vice-Chancellor

Based on the efforts of the Seedling Group of Institutions, namely, Seedling Academy of Design, Technology and Management (SADTM) and Seedling Institute of Integrated, Learning and Advanced Studies (SIILAS), for imparting professional and technical education, the two institutions were transformed into Jaipur National University by the Government of Rajasthan in October 2007. The University has achieved excellence and high standards of professional education, and offers programmes of study and research at Bachelor, Master and Doctoral levels. A high academic reputation, competent faculty, excellent infrastructure and panoramic surroundings, make Jaipur National University as an ideal place for study. Whatever programme you join, your experience would be unique. If you are looking for a platform to develop and attain multifaceted skill-sets, in-depth knowledge, and realization of your dream, then Jaipur National University is the ideal destination for you.

The University offers comprehensive and well-integrated facilities, including academic programmes and extra-curricular opportunities, auditoria and beautifully landscaped surroundings. The University has also created excellent facilities, like libraries, avenues for sports and games and cultural activities, which would pave a way for a well-rounded personality of a student. Social and cultural events and activities held at the Campus encourage harmonious interaction among the students.

We have an outstanding faculty and excellent supporting staff. Some of our faculty members are recognized nationally and internationally, based on their published works, and the honours, which they have received in recognition of their scholarship.

As a student, at the Jaipur National University, you will have invaluable resources to your advantage. We strive to provide you quality education that will lead to a successful career for you. Our caring and experienced faculty and staff are here for your academic and personal development and progress.

I wish you a great success here, and I hope your stay will prove a milestone for shaping up your future.

Professor H.N. Verma
(Vice-Chancellor/President)

From Executive Director

Education would fail ignominiously in its objective, if it manufactured only a robot and called him an economic man accenting the adjective 'economic' and forgetting the substantive 'man'. A university cannot afford to ignore the cultural aspects of education, whatever studies it specializes in. Science is a means, not an end, whereas culture is an end in itself. Even though you may ultimately become a computer programmer, a scientist, a doctor, or an engineer, a teacher or a lawyer, you must, while in college, absorb fundamental values, which will make you, a man true to yourself. You will have trials and tribulations; your heart will fail you at times; you will then need the spiritual strength which true culture alone can give. We aim to achieve a holistic vision that never discounts the past, but at the same time embraces the future with unwavering confidence in the ability to shape it and harness its potentialities.

Located at the cutting edge of knowledge, Jaipur National University has not just kept pace with the changing world, but it has been the pioneering spirit behind many innovations in the field of education. The striving is to imbue the teaching/learning process with a unique blend of intellectual rigour and aesthetic and ethical engagement. JNU is committed to nurturing graduates who are equipped to be world citizens, who not only take pride in their culture and heritage but also have a cosmopolitan understanding of the world today and a sensibility that celebrates diversity in all its joyous vibrancy. The students of Jaipur National University understand that with the power of knowledge, comes the responsibility to translate it into creative citizenship. They recognize challenges as opportunities. The University students are empowered with professional competence, an ability to assume positions of leadership with ease and shatter inhibitory glass ceilings. Education at Jaipur National University enables students to reconcile excellence with humanity, to celebrate diversity and redefine notions of success. The emphasis is on liberating and not a domesticating pedagogy.

I hope your future pathway with one of our programmes would fulfill your needs. We look forward to welcome you as a student of the University.

Dr. Preeti Bakshi
(Executive Director)

MESSAGE

About the University

Jaipur National University, Jaipur, a Private self-financed University, sponsored by Mahima Shiksha Samiti, came into existence on October 22, 2007, through an Ordinance of the Government of Rajasthan. The University is one of the many institutions of the Seedling Group of educational institutions under the aegis of the Mahima Shiksha Samiti.

The University received mandatory approvals and recognitions for its programmes from the National Regulatory Bodies, namely, UGC, AICTE, PCI, NCTE, BCI and Nursing Council of India. The School of Distance Education and Learning of the University has also been recognised and approved by the Joint Committee of the UGC-AICTE-DEC.

Furthermore, the University has earned the trust and goodwill from the student fraternity, parents, public and the concerned agencies for its excellence in teaching and emphasis on high standards of research work.

In a short span of seven years, Jaipur National University has carved a niche for itself in the country for its commitment to providing quality education and offering a conducive learning environment. The University is becoming a preferred choice for professional and technical education, as well as for lovers of quality academic pursuits.

The University aims to meet the demands and challenges of acquiring knowledge and learning of life –skills, with a difference. Academic flexibility is achieved through interdisciplinary teaching and research.

Extensive studies, semester system, regular evaluation, advisory system, functional research and interrelated degree programmes are its salient features.

Keeping in view the philanthropic orientation of the Sponsoring Body and the Policies of the State, the University is fulfilling its social responsibility by awarding Scholarship and freeships. The university is committed to providing quality education for the development of the students, thereby contributing to the progress of the State and Society at large.

Vision

To promote and impart quality professionals and bring about technical education and holistic transformation of students to make them globally competent in this complex and challenging world.

Mission

Emphasis on student centric learning to inspire critical thinking, personal growth and lifelong passion for learning.

Commitment to the highest standards of academic rigour and vitality. Serving social, cultural and economic needs of the community & the society.

Location of the University

Jaipur National University is located in the capital of Rajasthan, Jaipur a well-known tourist destination for both Indians and foreigners. Its palaces, forts, gardens and museums are architectural marvels. Jaipur is known for its art and craft and gems & jewellery industry throughout the world.

The University Campus is aesthetically designed covering an area of more than 120 acres. With the Aravali Hills on one side and the sprawling green fields on the other, Jaipur National University presents a perfect panorama of the vision of a University given by Gurudev Tagore.

Jaipur is fast emerging as a hub of higher professional education in India on the pattern of Pune, Bengaluru and Hyderabad. The University is situated close to the city and the airport. One can reach the University from the main Railway Station and Central Bus Stand within half an hour.

The proximity of Jaipur to Delhi is an added advantage. The National Super-Express Highway No. 8 has reduced the distance between both the cities to four hours. Besides extensive road connectivity, Jaipur is easily approachable by Rail and Air from all major cities of India, including Mumbai, Ahmedabad, Delhi, Kolkata, Bengaluru and Hyderabad.

JAIPUR NATIONAL UNIVERSITY

School of Engineering and Technology

The School of Engineering & Technology is well equipped to educate and train students in different Engineering Programmes.

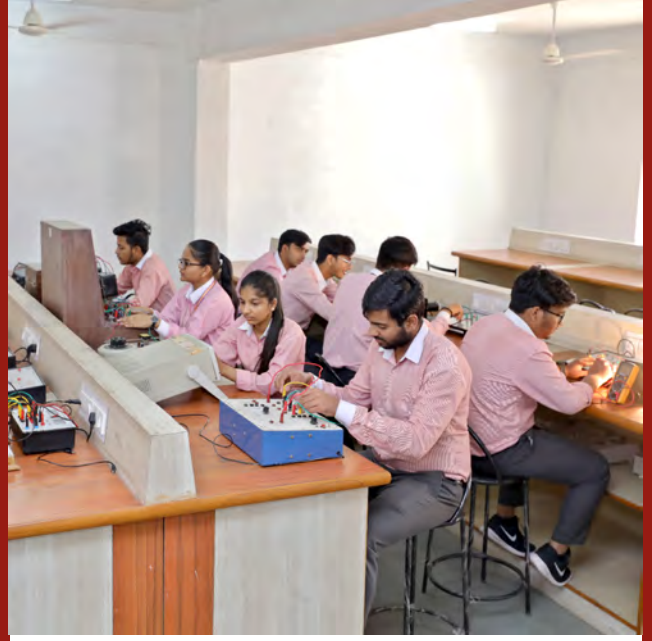
UG Programmes

School of Engineering & Technology
B.Tech (Electrical Engineering)
B.Tech. (Mechanical Engineering)
B.Tech. (Electronics & Communication Engineering)
B.Tech (Civil Engineering)
B.Tech. (Biotechnology)
B.Tech. (Chemical Engineering)
B.Tech (Computer Science Engineering)
B.Tech. (Food Technology)
B.Tech + MBA (Dual degree)

PG Programmes

M.Tech. CSP (Communication and Signal Processing)
M.Tech. EES (Embedded System)
M.Tech PSE (Power System Engineering)
M.Tech CSE (Control System Engineering)
M.Tech IPE (Industrial & Production Engineering)
M.Tech IECM (Infrastructure & Construction Management)
M.Tech WRE (Water Resource Engineering)

Research
Ph.D.



Electrical Engineering

Electrical Engineering focuses on the study of generation, transmission, storage and utilization of electrical energy. Some of its important domains are Control Engineering with emphasis on accuracy in controlling equipment in electrical and chemical industries as well as residential and commercial multiplexes.

Programme Structure

Programme	Duration	Eligibility Criteria	Selection Procedure
B.Tech Electrical Engineering	4 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
B.Tech Electrical Engineering + MBA	5 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
M. Tech in Power System Engineering	2 Years	B.Tech with min. 55%	ET+PI
M.Tech in Control System Engineering	2 Years	B.Tech with min. 55%	ET+PI

Courses offered in B.Tech Electrical Engineering (BTEE)

Semester		Course Title
I		English
		Engineering Mathematics –I
		Engineering Physics – I
		Engineering Chemistry – I
		Introduction to IT
		Fundamentals of Electrical Science
		Language Lab.
		Engg. Physics Lab. I
		Engg. Chem. Lab. I
		PC Software Lab.
		Practical Geometry
		Engineering Workshop Practice
		General Proficiency (C)
		Environmental Studies

Semester	Course Title
II	English
	Engineering Mathematics – II
	Engineering Physics – II
	Engineering Chemistry – II
	Programming and Problem Solving using 'C' Language
	Fundamentals of Electronics
	Mechanical Engineering
	Communication Techniques
	Engg. Physics Lab II
	Engg. Chem. Lab II
	Comp. Prog. Lab
	Machine Drawing
	Basic Electronics Lab.
	General Proficiency (C)
III	Computer Programming-I
	Computer Programming-I
	Circuit Analysis-I
	Electrical Machines-I
	Electrical Measurements & Measuring Instruments
	Mathematics-III
	Electronic Devices & Circuits Lab-I
	Computer Programming Lab-I
	Circuit Analysis Lab
	Electrical Machines Lab-I
	Electrical Measurement Lab
	Discipline & Extra Curricular Activities
IV	Electronic Devices & Circuits-II
	Digital Electronics
	Electrical Machine-II
	Computer Programming-II
	Circuit Analysis-II
	Instrumentation
	Electronic Devices & Circuits Lab-II
	Digital Electronics Lab
	Electrical Machine Lab. –II
	Computer Programming Lab-II
	Humanities & Social Sciences

Semester	Course Title
V	Power Electronics-I
	Microprocessors & Interfacing
	Control System Engineering
	Power Generation & Control
	Transmission & Distribution
	Electrical &Electronics Engineering Materials
	Introduction To VLSI
	Generalized Theory of Electrical Machine
	Nano Technology
	Electromagnetic Field Theory
	Practical training seminar-I
	Microprocessor & Interfacing Lab-I
	Power Electronics Lab-I
	Control System Lab
	Professional Ethics & Disaster Management/ Entrepreneurship Development
VI	Protection of Power System
	Modern Control System
	Electric Machine Design
	Power Electronics-Ii
	Renewable Energy Resources
	High Voltage Engineering
	Microwave Engineering
	Advanced Microprocessor
	Data Base Management System
	Industrial Economics & Management
	Computer Based Electrical Machine Design Lab
	Power Electronics Lab-II
	Computer Based Power System Lab
VII	Utilization of Electric Power Including Traction
	Power System Analysis
	EHV AC/DC Transmission
	Electric Drives and Their Control
	Power System Engineering
	Power System Reliability
	Computer Networks
	Digital Signal Processing
	Advanced Power Systems

Semester		Course Title
VII		Static Protective Relays
		Practical Training Seminar-II
		Power System and High Voltage Lab
		Computer Based Power Systems Lab
		Minor Project
VIII		Internship/Entrepreneurship Project Work Presentation
		Emergent Technology/Academics Based Seminar

Courses offered in M.TECH. Power System Engineering (MTPSE)

Semester		Course Title
I		Advance Power System Analysis
		Power System Stability
		Electrical Distribution System
		Advanced Power Electronics
		Renewable Power Generation Sources
		Industrial Control Electronics
		Writing Skills And Presentation-I
		Power Electronics Simulation Lab
II		Power System Optimization & Control
		Advanced Power System Protection
		Transient Over Voltages in Power System
		Advanced Distribution Systems
		Power Quality
		System Theory
		Restructured Power System
		Power Electronic Drives
		Writing Skills & Presentation-II
		Control System Simulation Lab
III		EHV Ac/Dc Transmission & Facts
		Smart Grid Technologies & Applications
		Power System Simulation Lab
		Dissertation Part- I
IV		Dissertation Part II

Courses offered in M.TECH. Control System Engineering (MTCSE)

Semester		Course Title
I		Basic Control System
		Systems Engineering
		Digital Control Systems
		Real Time Instrumentation Techniques
		Advance Power Electronics
		Linear System Theory
		Robot Dynamics & Control
		Writing Skills & Presentation-I
		Simulation Lab
II		Control Devices
		Modern Control System
		Non-Linear And Adaptive Control
		Optimal And Robust Control
		Multi-Variable Control System
		Measurement System & Error Analysis
		Power System Dynamics & Control
		Writing Skills & Presentation-II
		Control System Lab
III		Control Systems Design
		Drives and control
		Intelligent Control
		Digital Signal Processing
		Microprocessor Based Control System
		Advance Control System Lab
		Dissertation Part –I
IV		Dissertation Part–II

JAIPUR NATIONAL UNIVERSITY

Mechanical Engineering

Mechanical engineering is an engineering branch that combines engineering physics and mathematics principles with materials science, to design, analyze, manufacture, and maintain mechanical systems. It is one of the oldest and broadest of the engineering branches.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.Tech Mechanical Engineering	4 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
B.Tech Mechanical Engineering + MBA	5 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
M.Tech Industrial & Production Engineering	2 Years	B.Tech with min. 55 % in relevant Stream	ET+PI

Courses offered in B.Tech Mechanical Engineering (BT-ME)

Semester	Course Title
I	English
	Engineering Mathematics –I
	Engineering Physics - I
	Engineering Chemistry – I
	Introduction to IT
	Fundamentals of Electrical Science
	Language Lab.
	Engg. Physics Lab. I
	Engg. Chem. Lab. I
	PC Software Lab.
	Practical Geometry
	Engineering Workshop Practice
	General Proficiency (C)
II	Environmental Studies
	English
	Engineering Mathematics – II
	Engineering Physics - II
	Engineering Chemistry – II
	Programming and Problem Solving using 'C' Language
	Fundamentals of Electronics
	Mechanical Engineering
	Communication Techniques
	Engg. Physics Lab II
	Engg. Chem. Lab II
	Comp. Prog. Lab
	Machine Drawing
	Basic Electronics Lab.
	General Proficiency (C)
III	Mech.anics of Solids
	Material Science & Engg.
	Engg. Thermodynamics
	Manufacturing Processes
	Object Oriented Programming in C ++
	Advanced Engg. Mathematics
	Material Science & Material Testing Lab
	Professional Ethics And Disaster Management
	Production Practice-I
	Computer Programming lab.
	Mechanical Engineering Drawing
	Discipline & Extra Curricular Activities

Semester	Course Title
IV	Kinematics of Machines
	Fluid Mechanics & Machines
	Machining & Machine Tools
	Design of M/c Elements - I
	Industrial Engineering
	I.C. Engines
	Kinematics of Machines Lab
	Fluid Mechanics lab.
	Production Practice-II
	M/c Design Sessional –I
	Thermal Engg. lab –I
	Discipline & Extra Curricular Activities
V	Heat Transfer
	Dynamics of Machines
	Measurement & Metrology
	Computer Aided Design and Graphics
	Automobile Engineering
	Quality Assurance and Reliability
	Sociology and Elements of Economics for Engineers
	Statistics for Decision Making
	Total Quality Management
	Heat Transfer Lab
	Dynamics of Machine Lab
	Production Engg. Lab
	CAD Lab
	Discipline & Extra Curricular Activities
VI	Design of M/c Elements - II
	Newer Machining Methods
	Mechatronics
	Vibration Engineering
	Steam Engg
	Non Destructive Evaluation & Testing
	Design & Manufacturingof Plastic Products
	Maintenance Management
	Power Generation
	Machine Design Sessional-II
	Industrial Engg. Lab-I
	Mechatronics Lab
	Vibration Engineering Lab
	Discipline & Extra Curricular Activities
	Finite Element Methods
	Refrigeration & AirConditioning
VII	Operations Research
	Turbomachines
	Operations Management
	CNC Machines and Programming
	Robotics
	Product Development
	Thermal Engg. Lab-II
	Finite Element Lab
	Practical Training and Industrial Visit
	CAM Lab
	Discipline & Extra Curricular Activities
VIII	Industrial Training and Project Work (Internship)
	Comprehensive Viva-vose

Courses offered in M.Tech Industrial & Production Engineering (MT-IPE)

Semester	Course Title
I	Advanced NumericalMethods and Applied Statistics
	Metal Forming
	Metrology
	Industrial Engineering Systems
	Value Engineering
	Project Management
	Total Quality Management
	Advance Manufacturing Lab
II	Advanced Optimization Techniques
	Advanced Computer Integrated Manufacturing System
	Machine Tool Design
	Supply Chain Management
	Human Resource Development & Industrial Relations.
	Precision Engineering
	CAM & CAD Lab
III	Micro Electrical and Mechanical Systems (MEMS)
	Nanotechnology
	Rapid Prototyping
	Materials Management
	Industrial Visit & Seminar
	Dissertation Part-I
IV	Dissertation Part-II

JAIPUR NATIONAL UNIVERSITY

Electronics

and Communication Engineering

Electronics and Communication Engineering is related to designing, development, testing and supervision of electronic devices & products.

The objective of the M.Tech. (Embedded System) is to provide in depth knowledge in various areas of Embedded System and to promote research and innovation. The syllabus has been designed to enable rigorous analysis in Embedded System.

The objective of the M. Tech programme in Communication and Signal processing is to provide in depth knowledge in electronics engineering and to promote innovation. The syllabus has been designed to enable rigorous analysis in signal process electronic devices and mathematical model

Programme Structure

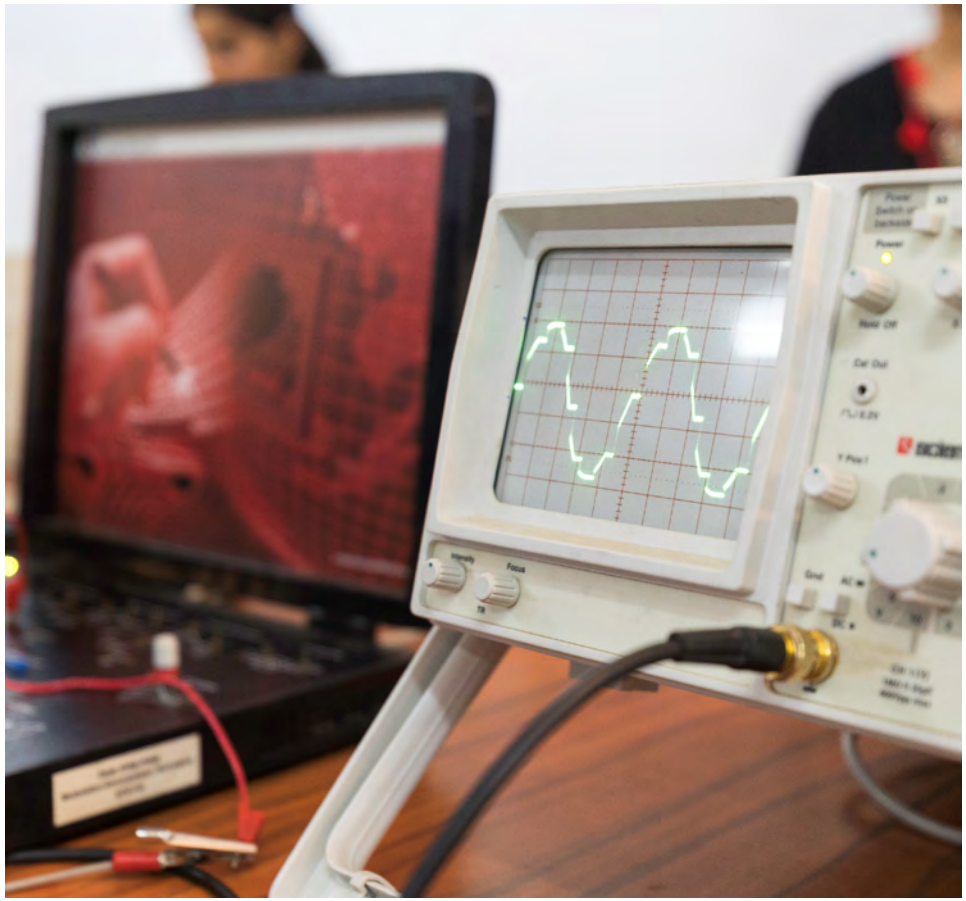
Programme	Duration	Eligibility Criteria	Selection Procedure
B.Tech Electronics and Communication Engineering	4 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
B.Tech Electronics and Communication Engineering + MBA	5 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
M.Tech Communication and signal Processing	2 Years	B.Tech with min. 55%	ET+PI
M.Tech Embedded System	2 Years	B.Tech with min. 55%	ET+PI
Ph.D in Electronics and Communication Engineering	Min. 3 Years	Min 55 % aggregate in M.Tech/M.E./M.Sc Electronics/M.Sc Physics with Electronics	ET+PI

Courses offered in B.Tech Electronics and Communication Engineering (BTEEC)

Semester	Course Title
I	English
	Engineering Mathematics –I
	Engineering Physics - I
	Engineering Chemistry – I
	Introduction to IT
	Fundamentals of Electrical Science
	Language Lab.
	Engg. Physics Lab. I
	Engg. Chem. Lab. I
	PC Software Lab.
	Practical Geometry
	Engineering Workshop Practice
	General Proficiency (C)
	Environmental Studies
II	English
	Engineering Mathematics – II
	Engineering Physics - II
	Engineering Chemistry – II
	Programming and Problem Solving using 'C' Language
	Fundamentals of Electronics
	Mechanical Engineering
	Communication Techniques
	Engg. Physics Lab II
	Engg. Chem. Lab II
	Comp. Prog. Lab
	Machine Drawing
	Basic Electronics Lab.
	General Proficiency (C)
III	Analog Electronics – I
	Mathematics-III
	Signals & Systems
	Networks Analysis and Synthesis
	Digital Electronics
	Environmental Engineering
	Data Structures & Algorithms
	Random Variables & Stochastic Processes
	Analog Electronics Lab – I
	Digital Electronics Lab
	Humanities & Social Sciences
	Data Structures & Algorithms Laboratory
	Discipline and Extra Curricular Activities

Semester		Course Title
IV		Analog Electronics – II
		Electronic Measurements & Instrumentation
		Electromagnetic Field Theory
		Electronic Materials & Processes
		Microprocessors and Applications
		Object Oriented Programming
		Computer Graphics
		Data Base Management System
		Analog Electronics Lab –II
		Microprocessor Lab
		Instrumentation & Measurements Lab
		Object Oriented Programming Laboratory
		Discipline and Extra Curricular Activities
V		Automatic Control System
		Principles of Communication
		Adv. Microprocessors & Micro-Controllers
		Antenna & Wave Propagation
		Power Electronics
		Computer Oriented Numerical & Statistical Methods
		Biomedical Instrumentation
		Advanced Data Structures
		Communication Lab-I
		Electronics CAD Laboratory
		Internship Program Seminar
		Advanced Micro-Controllers Lab
		Discipline and Extra Curricular Activities
VI		Digital Communication
		Digital Signal Processing
		Microwave and Radar Engineering
		Introduction to Embedded Systems
		TV & RADAR Engineering
		VLSI Design
		Parallel Computation & Architecture
		Optimization Techniques
		Microwave Lab
		Communication Lab - II
		Signal Processing & Fiber Communication Lab
		Minor Project-I
		Discipline and Extra Curricular Activities

Semester		Course Title
VII		Optical Fiber Communication
		Mobile Communication
		Computer Networking
		VHDL
		Enterprise & Java programming
		Computer Architecture
		Digital Image Processing
		Artificial Intelligence and Expert System
		Java Programming Lab
		VHDL Lab
		Seminar
		Major Project
		Discipline and Extra Curricular Activities
VIII		Industrial Project
		Comprehensive Viva-Voce



Courses offered in M.Tech Communication and Signal Processing (MTCSP)

Semester		Course Title
I		Introduction to Embedded Systems
		Antenna Theory
		Signal Theory
		Digital Signal Processor and Architecture
		Advance DSP Lab
		Wireless Communication Lab
II		Satellite Communication and Phase array
		Digital Communication System
		Embedded system for Wireless and Mobile Communication
		Information Theory And Coding
		Advanced Communication Lab
		Technical Report Writing & Communication Skills
III		Solid State Microwave Devices
		Advanced signal processing
		Advanced optical communication
		Telecommunication Switching and networks
		Advanced mobile communication
		Advanced embedded system
		Pre Dissertation Seminar
IV		Dissertation

Courses offered in M.Tech Embedded System (MTEES)

Semester		Course Title
I		Introduction to Embedded System Design
		Microcontroller for Embedded System Design
		Digital System Design
		Digital Signal Processor and Architecture
		Advance DSP Lab
		Embedded Microcontrollers Lab
II		CPLDs, FPGA Architecture and Application
		Embedded Real Time Operating System
		Embedded System for Wireless and Mobile Communication
		HDLs for Embedded Systems
		Modeling and Simulation Lab
		Technical Report Writing & Communication Skills
III		Embedded C
		Embedded Computing System Design
		Advanced Computer Architectures
		Design of CAD Tools for Embedded System Design
		Embedded Networking
		Memory Design and Testing
		Pre Dissertation Seminar
IV		Dissertation

JAIPUR NATIONAL UNIVERSITY

Civil Engineering

Civil engineering in JNU is to provide students with a wide education spectrum in civil engineering fundamentals, applications, and design that prepares them for the practice of civil engineering at the professional level

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.Tech Civil Engineering	4 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
B.Tech Civil Engineering + MBA	5 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
M.Tech in Infrastructure & Construction Management	2 Years	B.Tech with min. 55 % in relevant Stream	ET+PI
M.Tech in Water Resource Engineering	2 Years	B.Tech with min. 55 % in relevant Stream	ET+PI

Courses offered in B.Tech Civil Engineering (BTECE)

Semester	Course Title
I	English
	Engineering Mathematics –I
	Engineering Physics - I
	Engineering Chemistry – I
	Introduction to IT
	Fundamentals of Electrical Science
	Environmental Studies
	Language Lab.
	Engineering Physics Lab-I
	Engineering Chemistry Lab-I
	PC Software Lab.
	Practical Geometry
	Engineering Workshop Practice
	General Proficiency (C)
II	English
	Engineering Mathematics –II
	Engineering Physics - II
	Engineering Chemistry – II
	Programming and Problem Solving using 'C' Language
	Fundamentals of Electronics
	Mechanical Engineering
	Communication Techniques
	Engineering Physics Lab-II
	Engineering Chemistry Lab-II
	Computer Programming Lab
	Machine Drawing
	Basic Electronics Lab.
	General Proficiency (C)
III	Strength of Materials-I
	Civil Engineering Material
	Engineering Geology
	Building Planning & construction Technology
	Fluid Mechanics
	Advanced Engineering Mathematics
	Civil Engineering Material & Concrete Lab.
	Engineering Geology Lab
	Building Drawing-I
	Fluid Mechanics Lab.
	Professional Ethics & Disaster Management
	Discipline & Extra Curricular Activitis

Semester	Course Title
IV	Strength of Materials-II
	Geotech Engineering-I
	Hydraulics & Hydraulic Machines
	Surveying – I
	Environmental Engineering-I
	Quantity Surveying &Valuation
	Geotechnical Engineering Lab-I
	Hydraulics & Hydraulic Machines Lab
	Surveying – I
	Environmental Engineering Lab-I
	Material Testing Lab
	Quantity Survey & Estimation Lab
	Discipline & Extra Curricular Activitis
V	Theory of Structures – I
	Geotechnical Engineering-II
	Environmental Engineering-II
	Surveying – II
	Hydropower Engineering
	Ground Improvement Technique
	Advanced Concrete Technology
	Solid Waste Management
	Earthquake Resistance
	Environmental Engineering Lab-II
	Geotechnical Engineering Lab-II
	Surveying Lab – II
	Computer Aided Building Design Lab
	Structural Engineering Lab
	Design of Foundation Lab
	Discipline & Extra Curricular Activitis
VI	Theory of Structures – II
	Design of Steel Structures-I
	Water Resources Engineering -I
	Design of Concrete Structures-I
	Transportation Engineering – I
	Remote Sensing & GIS
	Rock Mechnics
	Repair And Rehabilitation of Structures
	Non Conventional Sources of Energy
	Design of Steel Structures-I
	Water Resources Engineering -I
	Concrete Structures Design- I
	Structural Analysis by Matrix Method
	Road Materials Testing Lab-I
	Discipline & Extra Curricular Activitis

Semester	Course Title
VII	Water Resources Engineering -II
	Design of Steel Structures-II
	Design of Concrete Structures-II
	Transportation Engineering – II
	Application of Numerical Methods in Civil Engineering /Engineering Hydrology
	Bridge Engineering
	Design of Prestressed Concrete Structures
	Design of Foundations
	Design of Water Resources Structures –II
	Steel Structures Design-II
	Concrete Structures Design- II
	Application of Numerical Methods in Civil Engineering Lab /Engineering Hydrology Lab
	Practical Training & Industrial visit
	Discipline & Extra Curricular Activitis
VIII	Industrial/ Entrepreneurship Project Work Presentation
	Emergent Technology/ Academics Based Seminar
	Discipline & Extra Curricular Activitis

Courses offered in M.Tech Infrastructure & Construction Management (MTIECM)

Semester		Course Title
I		Infrastructure planning
		Project Management & Infrastructure Construction
		Infrastructure Projects – Construction Methods and Equipment Management
		Numerical Methods
		Optimization Methods
		Disaster Management
		Application of Engineering Hydrology in Infrastructure
II		Financing Infrastructure Projects
		Advanced concrete Technology
		Projects Management Laboratory
		Project Procurement Systems
		Quality & Safety Management in Construction
		Spatial data collection and analysis
		Water Distribution &waste water collection system design
		Solid and hazards waste management
		Environmental Management
		Transportation System Management
		Public transportation system planning
		Water Resources systems analysis, planning and management
III		M.Tech. Project -I
		Seminar – I
		Advanced Structural Design
IV		M.Tech. Project -II
		Seminar – II

Courses Offered in M.Tech Water Resource Engineering (MTWRE)

Semester		Course Title
I		Numerical Methods in civil Engineering
		Advance Hydrology
		Advance Irrigation Engineering
		Advance Hydraulics
		Design of Dams
		Air and Water Pollution Lab
II		Hydro Power Engineering
		Water Pollution & Sewage Treatment
		Drainage Engineering
		Open Channel Hydraulics
		Rock Mechanics
		Planning and Development of Water Resources
		Hydrodynamics and Modeling
		Computational Hydraulics
		Nonconventional Sources of Energy
		Disaster management
		Advance Hydraulic Lab
III		Ground Water Engineering
		Soil & Rock Mechanics Lab
		Seminar
		Dissertations- I
		Water and Soil Conservation Engineering
		Hydro Meteorology
		Earthquake Engineering
		Finite Element Methods
		Flood Control Engineering
		Urban Storm Water Drainage.
		Water and Soil Conservation Engineering
IV		Dissertation-II

JAIPUR NATIONAL UNIVERSITY

Biotechnology

Biotechnology is making significant contributions to the world we live in. Biotechnology is an interdisciplinary fast-growing field of study and knowledge, having application in the domains of chemical, pharmaceutical and textile industries to genetics and agriculture.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.Tech Biotechnology	4 Years	Min. 50% aggregate in 10+2 with PCM/PCB	ET+PI
B.Tech Biotechnology + MBA	5 Years	Min. 50% aggregate in 10+2 with PCM/PCB	ET+PI

Courses offered in B.Tech Biotechnology (B.Tech BT)

Semester	Course Title
I	English
	Engineering Mathematics –I
	Engineering Physics – I
	Engineering Chemistry – I
	Introduction to IT
	Fundamentals of Electrical Science
	Language Lab.
	Engg. Physics Lab. I
	Engg. Chem. Lab. I
	PC Software Lab.
	Practical Geometry
	Engineering Workshop Practice
	General Proficiency (C)
	Environmental Studies
II	English
	Engineering Mathematics – II
	Engineering Physics – II
	Engineering Chemistry – II
	Programming and Problem Solving using 'C' Language
	Fundamentals of Electronics
	Mechanical Engineering
	Communication Techniques
	Engg. Physics Lab II
	Engg. Chem. Lab II
	Comp. Prog. Lab
	Machine Drawing
	Basic Electronics Lab.
	General Proficiency (C)
III	Introduction to Biology
	Cell Biology
	Biochemistry-I
	Fluid Mechanics Operation
	Bioprocess Calculations
	Communication Skills
	Cell Biology
	Biochemistry-I
	Fluid Mechanics Operation
	Group Discussion & Seminar
	Discipline and Extracurricular Activity

Semester	Course Title
IV	Microbiology
	Analytical Techniques in Biotechnology
	Biochemistry-II
	Biostatistics
	Molecular Biophysics
	Industrial Biotechnology
	Microbiology
	Analytical Techniques in Biotechnology
	Biochemistry-II
	Group Discussion & Seminar
	Discipline and Extracurricular Activity
V	Molecular Genetics
	Food Biotechnology
	Object oriented programming using C++
	Heat Transfer
	Chemical Engineering Thermodynamics
	Plant tissue culture and Secondary Metabolites
	Molecular Genetics
	Object oriented programming using C++
	Heat Transfer
	Industrial Visit, Report & Presentation
	Discipline and Extracurricular Activity

Semester	Course Title
VI	Bioinformatics
	Recombinant DNA Technology
	Bioprocess Engineering
	Genome Analysis
	Mass Transfer
	Molecular Diagnostic Techniques
	Bioinformatics
	Recombinant DNA Technology
	Bioprocess Engineering
	Mass Transfer
	Discipline and Extracurricular Activity
VII	Environmental Biotechnology
	Database Management System
	Animal Cell culture & Production of Recombinant Molecules
	Immunology
	Modeling & Simulation of Bioprocess
	Management Issues in Biotechnology
	Environmental Biotechnology
	Database Management System
	Immunology
	Group discussion and Seminar
	Discipline and Extracurricular Activity
VIII	Project Work (6 months on latest and emerging topics of Microbiology & Biotechnology)
	Seminar & Defense

JAIPUR NATIONAL UNIVERSITY

Chemical Engineering

In today's modern world the material used in the various fields of engineering are produced in chemical reactors. Designing and operation of such reactors is the main domain of Chemical Engineers because they are well equipped with the knowledge of subjects like fluid mechanics, chemical reaction engineering, heat and mass transfer and economic analysis.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.Tech Chemical Engineering	4 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
B.Tech Chemical Engineering + MBA	5 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI

Courses offered in B.Tech Chemical Engineering (B.Tech CH)

Semester		Course Title
I		English
		Engineering Mathematics – I
		Engineering Physics - I
		Engineering Chemistry – I
		Introduction to IT
		Fundamentals of Electrical Science
		Language Lab.
		Engg. Physics Lab. I
		Engg. Chem. Lab. I
		PC Software Lab.
		Practical Geometry
		Engineering Workshop Practice
		General Proficiency
II		English
		Engineering Mathematics – II
		Engineering Physics - II
		Engineering Chemistry – II
		Programming and Problem Solving using 'C' Language
		Fundamentals of Electronics
		Mechanical Engineering
		Communication Techniques
		Engg. Physics Lab. II
		Engg. Chem. Lab. II
		Comp. Prog. Lab
		Machine Drawing
		Basic Electronics Lab
		General Proficiency
III		Mathematics - III
		Applied Chemistry
		Object Oriented Programming in C++
		Process Calculations
		Momentum Transfer Operation
		Power Plant Engineering
		Applied Chemistry
		Object Oriented Programming in C++
		Social Science and Economics
		Group Discussion and Seminar
		Momentum Transfer Operation
		Discipline and Extra-curricular Activities

Semester	Course Title
IV	Material Science and Technology
	Fluid-Particle Mechanics
	Numerical methods in chemical engineering
	Chemical Engineering Thermodynamics-I
	Heat Transfer Operations
	Non-Conventional Energy Sources
	Fluid-Particle Mechanics
	Numerical methods in chemical engineering
	Heat Transfer Operations
	Techniques in Bio technology
	Discipline and Extra-curricular Activities
V	Instrumentation & Process Control
	Inorganic Chemical Technology
	Mass Transfer - I
	Chemical Reaction Engineering - I
	Chemical Engineering Thermodynamics-II
	Fertilizer Technology
	Practical Training Seminar
	Instrumentation & Process Control
	Chemical Technology
	Mass Transfer - I
	Discipline and Extra-curricular Activities
VI	Chemical Reaction Engineering - II
	Mass Transfer - II
	Petroleum Refining Engineering
	Organic Chemical Technology
	Industrial Pollution and Control
	Pulp and Paper Technology
	Chemical Reaction Engineering
	Mass Transfer - II
	Industrial Pollution and Control
	Petroleum Engineering
	Discipline and Extra-curricular Activities

Semester	Course Title
VII	Hazard, Safety and Risk Analysis
	Transport Phenomena
	Process Equipment Design
	Optimization of Chemical Process
	Bioprocess Engineering
	Polymer Science and Technology
	Practical Training Seminar
	Bioprocess Engineering
	Process Equipment Design
	Discipline and Extra-curricular Activities
VIII	Process Engineering & Plant Design
	Industrial Management
	Process Modeling and Simulation
	Nanotechnology
	Seminar
	Process Engineering & Plant Design
	Modeling and Simulation
	Novel Separation Techniques
	Project
	Discipline and Extra-curricular Activities

JAIPUR NATIONAL UNIVERSITY

Computer Science Engineering

Computer Science & Engineering is a study of designing, development and most of computers and computer-based systems. The study of computer science makes one competent to apply the basic principles of computing and use the latest methods to offer service solutions in academia & research.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.Tech Computer Science Engineering	4 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI
B.Tech Computer Science Engineering + MBA	5 Years	Min. 50% aggregate in 10+2 with Physics & Mathematics as compulsory Subjects	ET+PI

Courses offered in B.Tech Computer Science Engineering (B.Tech CSE)

Semester	Course Title
I	English
	Engineering Mathematics –I
	Engineering Physics - I
	Engineering Chemistry – I
	Introduction to IT
	Fundamentals of Electrical Science
	Language Lab.
	Engg. Physics Lab. I
	Engg. Chem. Lab. I
	PC Software Lab.
	Practical Geometry
	Engineering Workshop Practice
	General Proficiency
	Environmental Studies
II	English
	Engineering Mathematics – II
	Engineering Physics - II
	Engineering Chemistry – II
	Programming and Problem Solving using 'C' Language
	Fundamentals of Electronics
	Mechanical Engineering
	Communication Techniques
	Engg. Physics Lab II
	Engg. Chem. Lab II
	Comp. Prog. Lab
	Machine Drawing
	Basic Electronics Lab.
	General Proficiency
III	Mathematics III
	Data Structure and Algorithms, through 'C'
	Discrete Mathematical Structure
	Principal of Programming Languages
	Electronic Devices and Circuits
	Switching Theory and Logic System Design
	Data Structure Lab
	Electronics Devices & Circuits Lab
	Digital Electronics Lab
	Web Design Lab using HTML/ DHTML
	General Proficiency

Semester	Course Title
IV	Object Oriented Programming Using C++
	Software Engineering
	Microprocessor and Interface (8085)
	Database Management System
	Communication Fundamentals
	Optimization Techniques
	Object Oriented Programming Lab
	Software Engineering Lab
	DBMS Lab
	OT Simulation Lab (C/C++)
	General Proficiency
V	Computer Graphics
	Theory of Computation
	Programming in Java
	Object Oriented Modeling and Design
	Computer Architecture
	IC Technology
	Logical and Functional Programming
	Information Theory and Coding
	System Analysis And Design
	Computer Graphics Lab (C/C++)
	Microprocessor Lab
	Java Programming Lab
	Presentation Seminar
	General Proficiency
VI	Computer Networks
	Operating System
	Relational Database Management System
	Application Development using Java
	Simulation and Modeling
	Fuzzy Systems
	Organizational Behaviour
	E-Commerce
	Advance Computer Architecture
	UNIX Shell Scripting and TCP/IP Lab
	RDBMS Lab (SQL Server)
	JAVA Application Lab
	Project Design with Seminar
	General Proficiency

Semester	Course Title
VII	Design & Analysis of Algorithms
	Image Processing & Pattern Recognition
	Client Server Architecture
	Programming with C#.Net and ASP.Net
	Real Time Systems
	Multimedia Systems
	VLSI Tools and Techniques
	Open Source Systems
	Minor Project
	Web based Applications Lab
	C# .Net/ASP.Net Application Development Lab
	Practical Training Presentation
	General Proficiency
VIII	Compiler Construction
	Distributed Systems
	Data Mining and Warehousing
	Cyber Law and IPR
	Artificial Intelligence and Experts Systems
	Mobile Computing
	Information Security and Cryptography
	Industrial Project
	Andriod Programming Lab
	Compiler Construction Lab
	Seminar
	General Proficiency

JAIPUR NATIONAL UNIVERSITY

Food Technology

Food Technology is a multidisciplinary course which involves the study of various areas such as:
Food Science and Technology Food Engineering Food Quality and Safety
Food Chemistry and Nutrition Food Microbiology Food Laws and Agribusiness Management

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.Tech Foodtechnology	4 Years	Min. 50% aggregate in 10+2 with PCM/PCB	ET+PI
B.Tech Foodtechnology + MBA	5 Years	Min. 50% aggregate in 10+2 with PCM/PCB	ET+PI

Courses offered in B.Tech Food Technology (B.Tech FT)

Semester	Course Title
I	English
	Engineering Mathematics –I
	Engineering Physics - I
	Engineering Chemistry – I
	Introduction to IT
	Fundamentals of Electrical Science
	Environmental Studies
	Language Lab.
	Engg. Physics Lab. I
	Engg. Chem. Lab. I
	PC Software Lab.
	Practical Geometry
	Engineering Workshop Practice
	General Proficiency
II	English
	Engineering Mathematics – II
	Engineering Physics - II
	Engineering Chemistry – II
	Programming and Problem Solving using 'C' Language
	Fundamentals of Electronics
	Mechanical Engineering
	Communication Techniques
	Engg. Physics Lab II
	Engg. Chem. Lab II
	Comp. Prog. Lab
	Machine Drawing
	Basic Electronics Lab.
	General Proficiency
III	Basic and Food Microbiology
	Food Chemistry
	Fluid Mechanics
	Process Calculation
	Internet Design For Food Technology
	Food Additives and Contaminants
	Basic and Food Microbiology
	Food Chemistry
	Fluid Mechanics & Solid Handling
	Web Designing
	General Proficiency

Semester		Course Title
IV		Biochemistry and Nutrition
		Principles of Food Processing and Preservation
		Heat Transfer Operations -
		Food Hygiene, Sanitation and Plant Utilities
		Food Laws and Food Regulation
		Fermentation Technology
		Biochemistry and Nutrition
		Principles of Food Processing and Preservation
		Heat Transfer Operations
		Group Discussion and Seminar
		General Proficiency
V		Cereals and Legumes Processing Technology
		Egg, Poultry, Meat and Fish Processing Technology
		Milk and Milk Products Technology
		Mass Transfer Operations
		Statistical Quality Control
		Entrepreneurship and Agribusiness Management
		Cereals and Legumes Processing Technology
		Milk and Milk Products Technology
		Mass Transfer Operation
		Practical Training and Seminar
		Educational Tour
		General Proficiency
VI		Fruits and Vegetables Processing Technology
		Oils and Fats Processing Technology
		Bakery and Confectionary Technology
		Advance Techniques in Food
		Food Process Engineering
		Food Analysis and Quality Control
		Fruits and Vegetables Processing Technology
		Oils and Fats Processing Technology
		Bakery and Confectionary Technology
		Food Analysis and Quality Control
		General Proficiency

Semester		Course Title
VII		Instrumentation and Process Control
		Food Packaging
		Plant Design and Project Engineering
		Food Product Development, Marketing And Sales
		Food Industry Waste Management and By product utilization
		Nutraceuticals, Functional and Therapeutic Foods
		Novel Separation Techniques
		Industrial Safety and Hazards
		Instrumentation and Process Control
		Food Packaging
		Plant Design and Project Engineering
		Practical Training and Seminar
		General Proficiency
VIII		Industrial Internship/Project Work
		Seminar and Defense (Based on Project)

Dual Degree

The dual degree encompasses subjects from engineering along with subjects of Management

** For Management programme/courses please refer School of Business and Management

JAIPUR NATIONAL UNIVERSITY

Seedling School
of Law & Governance

Law as a profession has always attracted to young men and women who are in search of an adventurous career where one can mark in the society.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.A.,L.L.B.	5 Years	10+2 pass	ET+ PI or CLAT score of min.45% marks
BBA, L.L.B. (Hons.)	5 Years	10+2 pass	ET+ PI or CLAT score of min. 45%marks
LLB-3YR	3 Years	Graduation with min. 45% marks	Merit+ PI
LLM	1 Year	LLB with min. 50%marks	ET+ PI
Ph. D.	Min. 3 years	LLM with min. 55% marks	ET+ PI

B.A., L.L.B (BALLB)

This program enriches students with the knowledge or arts and law.

Course offered in B.A., L.L.B (BALLB)

Semesters		Course Title
I		General English
		Political Science I
		Computer Concepts
		Legal and Constitutional History
		Legal Research Methodology
		Law of Tort I (M.V. Accident &Consumer Protection Law)
II		Communicative English
		Law of Contract-I
		Economics-I (Principles, Banking, Money Supply)
		History-II (Indian History)
		Jurisprudence
		Political Science-II (Principles of political governance)
III		Economics-II
		Political Science –III
		History-III (World History)
		Constitutional Law-I
		Law of Crimes-I(Indian Penal Code)
		Law of Contract-II
IV		Economics-III
		Language (Hindi)
		Political Science-IV
		Law of Crimes–II(Criminal Procedure Code)
		Constitutional Law-II
		Sociology
V		Public Administration (Th.)
		Public Interest Litigation and Legal Aid
		Administrative Law
		Family Law-I (Th.)
		Civil Procedure Code and Limitation Act (Th.)
		Law of Evidence (Th.)
VI		Family Law-II
		Intellectual Property Rights
		Human Rights
		Political science VI
		Media Law and Ethics
		Company Law
		Internship with (High Court / Supreme Court Advocate)

Semesters		Course Title
VII		Interpretation of Statutes
		Law of Transfer of Property
		Principles of Taxation Law
		Criminology, Penology and Victimology
		Trust Equity and Fiduciary Relations
		Public International Law
VIII		Banking Law
		Labour Law-I
		Private International Law
		Environmental Law
		Special Crimes
		Law of Land and Real Estates
IX		Labour Law-II
		Drafting ,Pleading and Conveyancing
		Forensic science
		Alternate Dispute Resolution
		Competition Law
		Corporate Governance
X		Internship and Diary (Internship with Judiciary /Legislatures/Legal Functionaries/Law firms Companies/Local Self Government/Legal Regulatory Authorities) (January)
		Professional Ethics and Professional Accounting System
		Law of the Sea / Animal Protection law
		Cyber Law
		International Humanitarian Law
		International Criminal

BBA, L.L.B. (Hons.) (BBALLB)

This programme combines Management with the Bachelor of Law

Course offered in BBA, L.L.B. (Hons.) (BBALLB)

Semesters		Course Title
I		General English
		Principles of Management
		Computer Concepts
		Legal and Constitutional History of India
		Legal Research Methodology
		Law of Tort (M.V. Accident & Consumer Protection Law)
II		Business Communication
		Law of Contract-I
		Economics-I
		Law of Insurance
		Jurisprudence
		Management Accounting

Semesters		Course Title
III		Economics-II
		Strategic Management
		Financial Management
		Constitutional Law-I
		Law of Crimes-I (Penal Code)
		Law of Contract-II
IV		Economics-III
		Hindi/ Foreign Language
		Human Resource Management
		Law of Crimes–II (Criminal Procedure Code)
		Constitutional Law-II
		Marketing Management
V		Organizational Behaviour
		Public Interest Litigation and Legal Aid
		Administrative Law
		Family Law-I
		Civil Procedure and Limitation Act
		Law of Evidence
VI		Family Law- I
		Intellectual Property Rights
		Human Rights
		Business Statistics
		Business Environment
		Company Law
VII		Interpretation of Statutes
		Law of Transfer of Property
		Principles of Taxation Law -I
		Criminology, Penology and Victimology
		Trust Equity and Fiduciary Relationship
		Public International Law

Semesters		Course Title
VIII		Banking Law
		LabourLaw-I
		Private International Law
		Environmental Law
		Special Crimes
		Drafting, Pleading and Conveyancing
IX		Labour Law-II
		Drafting, Pleading and Conveyancing
		Forensic Science
		Alternate Dispute Resolution
		Competition Law
		Corporate Governance
X		Internship and Diary (Internship with Judiciary /Legislatures/Legal Functionaries/Law firms Companies/Local Self Government/Legal Regulatory Authorities) (January)
		Professional Ethics and Professional Accounting System
		Law of the Sea /Animal Protection Law
		Cyber Law
		International Humanitarian Law
		International Criminal Law

LLB -3 Year (LLB 3 YEARS)

This program studies the major areas of legal practise

Course offered in LLB -3 Year (LLB 3 YEARS)

Semesters		Course Title
I		Legal Research Methodology
		General English
		Constitutional Law- I
		Law of Tort - I
		Indian Legal History
II		Company Law
		Constitutional Law- I
		Law of Contract- I
		Environmental Law
		Labour Law- I
	Internship With NGO/ Court Visit	
III		Family Law-I
		Law of Transfer of Property
		Alternate Dispute Resolution
		Labour Law-II
		Law of Crimes-I (Penal Code)
IV		Family Law-II
		Criminology, Penology and Victimology
		Human Rights
		Law of Crimes–II (Criminal Procedure Code)
		Jurisprudence
		Law of Land Acquisition and Real Estate
	Internship with Trial Courts /Trial Advocates	
V		Principles of Taxation Law
		Public Interest Litigation and Legal Aid
		Administrative Law
		Public International Law
		Civil Procedure and Limitation Act
		Law of Evidence
VI		Moot court exercise and Internship Diary (Internship with Judiciary /Legislatures/Legal Functionaries/Law firms Companies/Local Self Government/Legal Regulatory Authorities) (January)
		Drafting, Pleading and Conveyancing
		Professional Ethics and Professional Accounting System
		Cyber Law / International Criminal Law
		Competition Law

LLM (LLM)

This programme gives learning opportunities with specialisation

Course offered in LLM (LLM)

Business law

Semesters		Course Title
I		LEGAL THEORY AND RESEARCH METHODOLOGY
		COMPARATIVE CRIMINAL PROCEDURE
		COMPARATIVE CONSTITU TIONAL LAW
		COMPANY LAW
		SECURITIES AND INVESTMENT LAW
		INTELLECTUAL PROPERTY RIGHTS
II		INTERNATIONAL TRADE LAW
		COMPETITION LAW
		BANKING AND INSURANCE LAW
		DISSERTATION

Criminal law

Semesters		Course Title
I		Legal Theory and Research Methods
		Comparative Criminal Procedures
		Comparative Constitutional Law
		Criminology and Penology
		Criminal Justice and Human Rights
		Victimology& Juvenile Justice
II		General Principles of Criminal Law
		General Principles of Torts
		Socio-Economic Crimes
		Dissertation

JAIPUR NATIONAL UNIVERSITY

School of Life & Basic Sciences

Science is a way of life that is based on perspective and the School has turned this inquiry-based thinking evolution into an art form over the years. The school of Life and Basic Science provides the correct platform to the aspiring students who wish to pursue their career in the area of life or basic sciences.

Programme Structure

Programme	Duration	Eligibility Criteria	Selection Procedure
B.Sc. Pass Course (CBZ/PCM)	3 Years	10+2 Science/Biology/ Mathematics/Agriculture/ Biotech. or Equivalent	Merit + P I
B.Sc. (Hons.) Biotechnology, Microbiology, Bioinformatics, Biochemistry		10+2 Science-PCB	
M.Sc. Biotechnology, Microbiology, Bioinformatics, Biochemistry, Food and Nutritional Biochemistry, Botany	2 Years	Graduation in any stream with min. 50% or B.Sc. Integrated	Merit + PI
M.Sc. Chemistry		Graduation in any stream of Basic Science with Chemistry as one of the Compulsory Subject - min. 55%	Merit + PI
M.Sc. Physics		Graduation in any stream of Basic Science with Physics and Mathematics and min. 50% or B.Sc. Integrated	Merit + PI
M.Sc. Mathematics		Graduation in any Stream of Basic Science with Mathematics as one of the Compulsory Subject- Min. 55%	Merit + PI
M.Sc. + MBA (Dual Degree) Biotechnology/Microbiology	3 Years	Graduation with min. 55% aggregate	Merit + PI
Ph.D.	Min. 3 Years	Post Graduation in relevant field with Min. 55%	ET + PI

B.Sc. Pass-Course (PCM)

This course enables the students to take up advanced studies in Chemistry, Mathematics, and Physics.

Courses offered in B.Sc. Pass - Course (PCM)

Semester	Course Title
I	Chemistry I
	Chemistry II
	Mathematics I
	Mathematics II
	Physics I
	Physics II
	Professionals Communication Skills*
	Practical-I (BS-101 & BS - 102)
	Practical-II (BS-105 & BS - 106)
II	Chemistry I
	Chemistry II
	Mathematics I
	Mathematics II
	Physics I
	Physics II
	Computer Applications*
	Practical-I (BS-201 & BS - 202)
	Practical-II (BS-205 & BS - 206)
III	Chemistry I
	Chemistry II
	Mathematics I
	Mathematics II
	Physics I
	Physics II
	Practical-I (BS-301 & BS - 302)
	Practical-II (BS-305 & BS - 306)
IV	Chemistry I
	Chemistry II
	Mathematics I
	Mathematics II
	Physics I
	Physics II
	Practical-I (BS-401 & BS - 402)
	Practical-II (BS-405 & BS - 406)

Semester	Course Title
V	Chemistry I
	Chemistry II
	Mathematics I
	Mathematics II
	Physics I
	Physics II
	Practical-I (BS-501 & BS - 502)
	Practical-II (BS-505 & BS - 506)
VI	Chemistry I
	Chemistry II
	Mathematics I
	Mathematics II
	Physics I
	Physics II
	Practical-I (BS-601 & BS - 602)
	Practical-II (BS-605 & BS - 606)

B.Sc. Pass - Course (CBZ)

This course enables the students to take up advanced studies in Chemistry, Botany, and Zoology and can find opportunities in all these subject areas.

Courses offered B.Sc (Pass Course) CBZ

Semester	Course Title
I	Chemistry I
	Chemistry II
	Diversity of microbes
	Diversity of cryptogams
	Biodiversity –I-Protozoa to Annelida
	Cell biology and Genetics
	Professional Communication Skills*
	Practical-I (Chem-101 & Chem- 102)
	Practical-II (Bot -103 & Bot - 104)
	Practical-III (Zoo -105 & Zoo - 106)
II	Chemistry I
	Chemistry II
	Pteridophyta, Gymnosperms and Palaeobotany
	Morphology and anatomy of Angiosperms
	Biodiversity-II Arthropoda to Hemichordata
	Biochemistry
	Computer Applications*
	Practical-I (Chem -201 & Chem - 202)
	Practical-II (Bot -203 & Bot - 204)
	Practical-III (Zoo -205 & Zoo - 206)
III	Chemistry I
	Chemistry II
	Angiosperm Taxonomy
	Plant Breeding and Evolution
	Chordates
	Molecular Genetics
	Practical-I (Chem -301 & Chem - 302)
	Practical-II (Bot -303 & Bot - 304)
	Practical-III (Zoo -305 & Zoo - 306)
IV	Chemistry I
	Chemistry II
	Reproductive Botany (Embryology and Palynology)
	Biotechnology
	Developmental biology
	Anatomy and Physiology
	Practical-I (Chem -401 & Chem - 402)
	Practical-II (Bot -403 & Bot - 404)
	Practical-III (Zoo -405 & Zoo - 406)
V	Chemistry I
	Chemistry II
	Plant physiology and Biochemistry
	Analytical Techniques
	Immunology
	Applied zoology
	Practical-I (Chem -501 & Chem - 502)
	Practical-II (Bot -503 & Bot - 504)
	Practical-III (Zoo -505 & Zoo - 506)
VI	Chemistry I
	Chemistry II
	Ecology
	Economic Botany
	Medical Zoology
	Biodiversity and Environment
	Practical-I (Chem -601 & Chem - 602)
	Practical-II (Bot -603 & Bot - 604)
	Practical-III (Zoo -605 & Zoo - 606)

B.Sc. (Hons.) Biotechnology (BTH)

This course enables the students to take up advanced studies in Chemistry, Botany, and Zoology and can find opportunities in all these subject areas.

Courses offered B.Sc. (Hons.) Biotechnology (BTH)

Semester	Course Title
I	Biostatistics & Introduction to Computers
	Cell Biology and Genetics
	Microbiology
	Chemistry – I
	Practical-I (BTH-102 & BTH-103)
	Practical-II (BTH-101 & BTH 104)
II	Introductory Mathematics
	Programming Language Fundamentals and Applications
	Biochemistry – I
	Chemistry – II
	Practical-I (BTH-201 and BTH-202)
	Practical-II (BTH-203 and BTH-204)
III	Molecular Biology
	Biochemistry – II
	Chemistry III
	Professionals Communication Skills
	Practical-I (BTH-301 and BTH-302)
	Practical-II (BTH-303)
	Industrial Visit
IV	Fundamentals of Bioinformatics and Nanotechnology
	Biophysics and Instrumentation
	Plant Tissue Culture and Plant Biotechnology
	Developmental Biology
	Practical-I(BTH-401 and BTH-402)
	Practical-II(BTH-403 and BTH-404)
V	Environmental Biotechnology
	Animal Biotechnology
	Bioprocess Engineering
	Immunology
	Practical-I(BTH-501 and BTH-502)
	Practical-II(BTH-503 and BTH-504)
VI	Introduction to Genomes
	Recombinant DNA Technology
	Biodiversity and Environment
	Industry Relations and Entrepreneurship
	Practical-I(BTH-601 and BTH-602)
	Practical-II (BTH-603)
	Industrial Training

B.Sc. (Hons.) Microbiology (MH)

Microbiology is the study of microscopic organisms, such as bacteria, viruses, archaea, fungi and protozoa. Many of these microorganisms, however, carry out important functions in their niches that are essential for life forms.

Courses offered B.Sc. (Hons) Microbiology (MH)

Semester	Course Title
I	Biostatistics & Introduction to Computers
	Cell Biology and Genetics
	Microbiology
	Chemistry – I
	Practical-I (MH-102 & MH-103)
	Practical-II (MH-101 & MH-104)
II	Introductory Mathematics
	Programming Language Fundamentals and Applications
	Biochemistry – I
	Chemistry – II
	Practical-I (MH-201 and MH-202)
	Practical-II (MH-203 and MH-204)
III	Molecular Biology
	Biochemistry – II
	Chemistry III
	Professionals Communication Skills
	Practical-I(MH-301 and MH-302)
	Practical-II (MH-303)
	Industrial Visit
IV	Fundamentals of Bioinformatics and Nanotechnology
	Biophysics and Instrumentation
	Microbial Physiology and Metabolism I
	Industrial Microbiology
	Practical-I(MH-401 and MH-402)
	Practical-II(MH-403 and MH-404)
V	Virology
	Microbial Physiology and Metabolism II
	Food and Dairy Microbiology
	Immunology
	Practical-I(MH-501 and MH-502)
	Practical-II(MH-503 and MH-504)
VI	Environmental Microbiology
	Medical Microbiology
	Biodiversity and Environment
	Industry Relations and Entrepreneurship
	Practical-I(MH-601 and MH-602)
	Practical-II (MH-603)
	Industrial Training

B.Sc. (Hons.) Bioinformatics (BITH)

Bioinformatics is an interdisciplinary field that uses the applications of computational techniques to analyse the information associated with biomolecules on a large-scale. It is a firmly established discipline in computational Biology, and encompasses a wide range of subject areas from Structural Biology and Genomics to Gene Expression Studies, Systems Biology, Chem informatics & Drug Designing, Phylogenetic, Biostatistics, etc.

Courses offered B.Sc. (Hons) Bioinformatics (BITH)

Semester		Course Title
I		Biostatistics and Introduction to Computers
		Cell Biology and Genetics
		Microbiology
		Chemistry - I
		Practical-I (BITH-102 & BITH–103)
		Practical-II (BITH-101 & BITH- 104)
II		Introductory Mathematics
		Programming Language Fundamentals and Applications
		Biochemistry - I
		Chemistry – II
		Practical-I (BITH-201 and BITH- 202)
		Practical-II (BITH-203 and BITH- 204)
III		Pharmacoinformatics
		Computational Biology
		Chemistry III
		Professionals Communication Skills
		Practical-I(BITH-301 and BITH- 302)
		Practical-II(BITH-303)
		Industrial Visit
IV		Structural Bioinformatics and Nanotechnology
		Database Management System
		Phylogenetics & molecular evolution
		PERL programming
		Practical-I(BITH-401 and BITH- 402)
		Practical-II(BITH-403 and BITH- 404)
V		Biodiversity and Environment
		Computational Biology
		Chemiinformatics & Drug Designing
		Immunology
		Practical-I(BITH-501 and BITH- 502)
		Practical-II(BITH-503 and BITH- 504)
VI		System Biology
		Genomics & Proteomics
		Genome Analysis
		Industry Relations and Entrepreneurship
		Practical-I(BITH-601 and BITH- 602)
		Practical-II (BITH-603)
		Industrial Training

B.Sc. (Hons.) Biochemistry (BCH)

Biochemistry, sometimes called biological chemistry, is the study of chemical processes in living organisms. It deals with the structures and functions of cellular components, such as proteins, carbohydrates, lipids, nucleic acids and other biomolecules.

Courses offered B.Sc. (Hons) Bioinformatics (BCH)

Semester		Course Title
I		Biostatistics & Introduction to Computers
		Cell Biology and Genetics
		Microbiology
		Chemistry – I
		Practical-I (BCH-102 &BCH-103)
		Practical-II (BCH-101 & BCH-104)
II		Introductory Mathematics
		Programming Language Fundamentals and Applications
		Biochemistry-I
		Chemistry – II
		Practical-I (BCH-201 & BCH-202)
		Practical-II (BCH-203 & BCH-204)
III		Membrane Biochemistry
		Metabolism I
		Chemistry III
		Professionals Communication Skills
		Practical-I (BCH-301 & BCH-302)
		Practical-II (BCH-303)
		Industrial Visit
IV		Fundamentals of Bioinformatics and Nanotechnology
		Biophysics and Instrumentation
		Metabolism II
		Immunology
		Practical-I (BCH-401 & BCH-402)
		Practical-II (BCH-403 & BCH-404)
V		Endocrinology
		Clinical Biochemistry
		Molecular Biochemistry
		Genomics
		Practical-I (BCH-501 & BCH-502)
		Practical-II (BCH-503 & BCH-504)
VI		Plant Biochemistry
		Enzymology
		Biodiversity and Environment
		Molecular Physiology
		Practical-I (BCH-601 & BCH-602)
		Practical-II (BCH-603 & BCH-604)
		Industrial Training

M.Sc. Biotechnology (MBT)

Biotechnology is a blend of subjects related to Biology and subjects like Mathematics, Physics, Chemistry and Engineering. It is a broad discipline in which biological processes, organisms, cells or cellular components are exploited to develop new technologies.

Courses offered M.Sc. Biotechnology (MBT)

Semester		Course Title
I		Cell Biology
		Biomolecules and Basic Enzymology
		Bioanalytical Techniques
		Immunology
		Virology
II		Microbial Diversity and Physiology
		Metabolism of Biomolecules
		Molecular Biology & Genetics
		Biostatistics and Bioinformatics
		Conventional & Biotechnological diagnosis of Infectious Disease
III		Genetic Engineering
		Environmental Biotechnology
		Animal cell science and technology
		Plant biotechnology and bioresource management
		Bioprocess engineering
IV		Dissertation

M.Sc. Microbiology (MMB)

This course helps learners to specialize in any of the applied research areas, through one of the chosen electives/specialized papers and work in the field of Medical Microbiology, Food Microbiology, Industrial Microbiology and Environmental Microbiology. This discipline emphasizes the recent trends in the industry that focus on production of compounds like insulin, interferon, recombinant products, including vaccines.

Courses offered M.Sc. Biotechnology (MMB)

Semester		Course Title
I		Bacteriology
		Mycology,Phycology & Lichenology
		Immunology
		Biomolecules and Basic enzymology
II		Aanalytical Techniques
		Virology
		Molecular Biology and Genetics
		Microbial Physiology
II		Biostatistics and Bioinformatics
		Biochemistry II/Metabolism of biomolecules
III		Genetic Engineering
		Industrial Microbiology
		Food Microbiology
		Medical microbiology
		Environmental microbiology
IV		Dissertation

M.Sc. Bioinformatics (MBIT)

Bioinformatics is an interdisciplinary field. It merges biology, computer science and information technology and is defined as an interface between the biosciences and the computational sciences.

Courses offered M.Sc. Biotechnology (MBIT)

Semester		Course Title
I		Basic Mathematics and Statistics (For biology students)
		Fundamentals of Biology (For non-biology students)
		Computers and Advanced Programming in C++
		Immunoinformatics and Biochemical Techniques
		Bioinformatics and genome analysis
		Molecular Biology and Genetic Engineering
II		Computer Aided Drug Designing (CADD)
		Computational Biology
		System Biology
		Data Structure Algorithm
		Java Programming and Data mining
III		Functional and comparative genomics
		Metabolomics and Proteomics
		Gene Expression and Microarray analysis
		Molecular Structure Prediction and Visualization
		PERL and My SQL in Bioinformatics
IV		Pharmacogenomics
		Visual Basic and Web enabling Technology
		Dissertation

M.Sc. Botany (MBOT)

The subject of Botany encompasses a scientific study of plants that includes structure, growth, reproduction, metabolism, taxonomy, development, diseases and evolutionary relationship of different classes of plants.

Courses offered M.Sc. Botany (MBOT)

Semester	Course Title
I	Cell biology
	Biology & Diversity of Viruses & Bacteria
	Morphology and Diversity of Non – Vascular Plants
	Instrumentation & Analytical Techniques
	Plant Biochemistry
II	Morphology and Diversity of Vascular Plants
	Advance Plant Physiology
	Taxonomy and Economic Botany of Highe r Plants
	Plant Tissue Culture & Its Applications
	Developmental Plant Biology
III	Embryology of Angiosperms
	Plant Ecology & Environment
	Genetics & Plant Breeding
	Molecular Biology & Genetic Engineering
	Phytochemistry and Ethnobotany
IV	Biostatistics & Bioinformatics
	Environmental Biotechnology
	Plant Biotech and Bioresource Management
	Plant Pathology
	Dissertation

M.Sc. MBA (Dual Degree) Biotechnology (MBT-MBA)

This dual degree programme encompasses subjects from Life & Basic Sciences along with subjects of business management. Apart from acquiring knowledge of their core area of Life & Basic Sciences, students will also be gaining knowledge of various aspects of Management- Marketing, General Management, Research Methodology, Finance, Human Resources, Production Management, International Business, Operations and Information Technology.

M.Sc. MBA (Dual Degree) Microbiology (MMB-MBA)

Along with the study of microscopic organisms, such as bacteria, viruses, archaea, fungi and protozoa, this dual degree offers insights into various subjects of business management. In addition to the advanced study of microbiology, students will also be gaining knowledge of various aspects of Management- Marketing, General Management, Research Methodology, Finance, Human Resources, Production Management, International Business, Operations and Information Technology. After the successful completion of M.Sc. + MBA, student will be awarded two Degrees- one in M.Sc. and the other in MBA (Integrated).

M.Sc. Chemistry (MSCCH)

Amongst the Basic Sciences, Chemistry deals with the study of composition, properties, constitution, and mutual interaction of different kinds of matter. The role of chemistry in modern society can be seen in diverse fields such as chemicals, petroleum products, pharmaceuticals, polymers and plastics and biotechnology.

Semester	Course Name
I	Inorganic Chemistry -I
	Organic Chemistry -I
	Physical Chemistry -I
	Maths for Chemist
	Biology for Chemist
	Inorganic Practical –I
	organic Practical –I
	PHYSICAL Practical –I
	Inorganic Chemistry -II
II	Organic Chemistry -II
	Physical Chemistry -II
	Computer for Chemists
	Inorganic Chemistry Practicals -II
	Organic Chemistry Practicals-II
	Physical Chemistry Practicals -II
III	Spectrosopy
	Group Theory & Instrumentation
	Organic Synthesis-I
	Heterocyclic Chemistry and Photochemistry
	Organic Practical-III
IV	Green Chemistry
	Synthetic Organic Chemistry -II
	Chemistry of Natural Products
	Bio Organic Chemistry
	Project

M.Sc. Physics (MSCPY)

Physics is a fundamental natural science. Besides exploring and identifying the basic principles and laws governing the motion, energy, structure and interaction of matter, it also deals with the pertinent questions about today's era of science and technology. Physics labs cover the vast areas of research in mechanics, properties of matter, heat, sound, electricity, magnetism, light, and modern physics.

Courses Offered M.Sc. Physics (MSCPY)

Semester		Course Title
I		Solid State Physics
		Classical Mechanics
		Quantum Mechanics-I
		Electronics
		General Physics
		Laboratory
II		Lasers and Holography
		Quantum Mechanics-II
		Atomic and Molecular Physics
		Electrodynamics
		Laboratory Project - I
		Electronics Laboratory-II
III		Nuclear and Particle Physics
		Mathematical Methods in Physics
		Thermodynamics and Statistical Physics
		Advanced Digital Electronics
		Microwave and Communication Lab
		Matlab Lab.
IV		Microwave Devices and Communications
		Analog and Digital Communication
		MAJOR PROJECT

M.Sc. Mathematics (MMAT)

Mathematics is one of the most ancient sciences of the world and has wide applications in various fields of study and research.

Courses Offered M.Sc. Mathematics (MMAT)

Semester		Course Title
I		Calculus of variation and special functions
		Differential Equation
		Real Analysis
		Industrial Mathematics
		C Programming (Theory)
		C' Programming (Practical)
		Communication & Soft Skills
		Seminar
II		Numerical and Statistical Techniques
		Abstract Algebra
		Mathematical Programming
		Continuum mechanics
		Computer Application (Theory)
		Optimization Techniques Simulation Lab
		Numerical & Statistical Techniques Lab
		Computer Application (Practical)
		Seminar
III		Linear Algebra
		Combinatorics and Graph Theory
		Integral Transforms
		Differential Geometry
		Advance differential equations
		Viscous Fluid Dynamics
		Seminar
IV		Functional Analysis
		Integral Equations
		Complex Analysis
		Topology and Measure Theory
		Number Theory (Elective-I)
		Operator in Hilbert space (Elective-II)
		Boundary Layer Theory (Elective-III)
		Mathematical Modelling and Numerical Simulation(Elective-IV)
		Dissertation

JAIPUR NATIONAL UNIVERSITY

School of Business & Management

The School of Business and Management (SBM) is the institute of choice for discerning professionals and students desirous of a premium learning experience.

Programme Structure			
Programme	**Duration**	**Eligibility**	**Selection Criteria**
BBA	3 Years	10+2 any stream with min.50% marks	Merit + P I
B.Com		10+2 any stream with min.45% marks	
B.Com(H) ABST / B.Com (H) BADM	3 Years	10+2 with min.55% marks	Merit + P I
MBA	2 Years	Graduation with 50 % marks in any stream with good score in all India level aptitude test like MAT/CAT/CMAT/XAT/CET	ET/GD + PI
MBA Dual Specialization			
MBA (HHM) Hospital & Healthcare Management			
Ph.D. Management	3 Years min.	Post-Graduation in Management /Commerce and Allied Subjects with min. 55% marks	ET + PI

Bachelor of Business Administration (BBA)

BBA Course is a three year undergraduate business management programme that imparts managerial and entrepreneurial skills to students through BBA Courses.

Courses Offered Bachelor of Business Administration (BBA)

Semester	Course Title
I	Business Organization
	Business Communication
	Principles of Management
	Business Economics
	Fundamentals of Accounting
	Business Mathematics
II	Financial Accounting
	Business Environment
	Legal Framework
	Management of Financial Institutions
	Business Ethics
	Computer Fundamental
	Industrial tour and report
III	Business Statistics
	Company Law
	Cost Accounting
	Financial Management
	Management Information System
	Management of Human Resources
IV	Research Methodology
	Tax Management
	Marketing Management
	Project Management
	Entrepreneurship Development
	Management Accountancy
	Survey Report.
V	Business Budgeting
	Organizational Behaviour
	International Business
	Operations Management
	Indian Financial System
	Outsourcing Management
	Summer Training Project
VI	Strategic Management
	Management of Services
	E-Commerce
	Corporate Management
	Event Management
	Environmental Management

Bachelor of Commerce (B.Com)

The Bachelor of Commerce (B.Com) will provide you with broad foundation knowledge of contemporary business and its practices.

Courses Offered Bachelor of Commerce (B.Com)

Semester	Course Title
I	Fundamentals of Accounting
	Business Organization
	Business Economics
	Principles of Management
	Economic Environment of Business
	Computer Application
II	Financial Accounting
	Regulatory Framework of Business
	Business Mathematics
	Business Environment
	Cost Accounting
	Business Communication
III	Corporate Accounting
	Business Statistics
	Management Information System
	Event Management
	Macro Economics
	Auditing – Principles and Practice
IV	Management Accounting
	Law and Practice in Banking
	Financial Management
	Management of Rural Development
	Business Ethics
	Accounting Theory and Practice
V	Tax Management
	Company Law
	Entrepreneurship Development
	Business Budgeting
	Human Resource Management
	Principles and Practice of Insurance
VI	Project Management
	Environmental Management
	E-Commerce
	Marketing Management
	Banking and Finance
	Quantitative Techniques

Bachelor of Commerce (Honours) in Accountancy & Business Statistics (B.Com (H) ABST

This is the program offered to students to the students who wish to pursue their career in Accountancy related field.

Semester	Course Title
I	Principles of Management
	Business Economics
	Computer Applications
	Fundamentals of Accounting
	Business Mathematics
	Financial Accounting
II	Legal Aspects of Business
	Economic Environment
	Business Statistics
	Advanced Accounting
	Cost Accounting
	Financial Management
	Industry Visit Report
III	Business Communication
	Macro Economics
	Principles & Practices of Auditing
	Corporate Accounting
	Cost Analysis &Control
	Quantitative Techniques
IV	Business Ethics
	Indian Financial System
	Management Accounting
	Project Management*
	Event Management *
	Production & Operation Management*
	Income Tax Law & Practice
	Cost& Management Audit
V	Environment Management
	Company Law
	Business Budgeting
	Entrepreneurship and Skill Development
	Goods &Service Tax
	Security Analysis &Portfolio Management*
	Advance Statistics *
	Merchant Banking & Corporate Restructuring*
	Summer Training Report
VI	Marketing Management
	Management of Financial Institution
	E-Commerce
	Business Research Methods
	Financial Reporting *
	Financial & Commodity Derivatives*
	Risk Management –Tools& Application*
	Corporate Tax Management
	Report on Recent Trends in Finance

Bachelor of Commerce (Honours) in Business Administration (B.Com (H) BADM)

This is the program offered to students to the students who wishes to pursue their career in Business Administration as their specialisation.

SEMESTER	COURSE TITLE
I	Fundamentals of Accounting
	Business Economics
	Principles of Management
	Computer Applications
	Marketing Management
	Business Organisation
II	Financial Accounting
	Economic Environment
	Business Communication
	Legal Aspects of Business
	Consumer Behaviour
	International Business
	Industry Visit Report
III	Business Statistics
	Macro Economics
	Human Resource Management
	Product & Brand management
	Operation Management
	Marketing of Services
IV	Management Accounting
	Financial Management
	Business Ethics
	Industrial Relations
	Labour Welfare & Social Security
	Talent Management
	Retail Management
	Outsourcing Management
V	Indian Financial System
	Income Tax Law & Practice
	Company law
	Entrepreneurship & Skill Development
	Principles & Practices of Insurance
	Sales & Distribution Management
	Supply Chain Management
	Strategic Management
	Summer Training Report
VI	Project Management
	Principles & Practices of Auditing
	Organization Behavior
	Human Resource Development
	History of Management Thought
	Business Research Methods
	E-Commerce
	Environmental Management
	Report on Recent Trends in Marketing

MBA

MBA is a 2 year professional postgraduate degree course. MBA focuses on the fundamentals of modern management, providing students with a comprehensive understanding of business while developing leadership and soft skills to implement that knowledge.

Courses Offered MBA

Semester	Course Title
I	Management Accounting
	Principles and Practices of Management
	Organizational Behavior
	Quantitative Techniques for Management
	Managerial Economics
	Business Communication
	Computer Applications in Management
	Environmental and Disaster Management
II	Human Resource Management
	Financial Management
	Marketing Management
	Operations & Production Management
	Research Methodology
	International Business Management
	Management Information Systems
	Business Ethics and Values
III	Strategic Management
	Entrepreneurship & Small Business Management
	Specialization Comprehensive Viva
	Industrial Summer Training Project

Note: The student will opt for 3 Electives from one specialization subject area & 1 Elective of Information Technology specialization.

Semester	Course Title
IV	Project Management
	Legal Aspects of Business
	Specialization Comprehensive Viva

Note: The student will opt for 3 Electives from same specialization subject area (For that specialization area where 3 electives were opted in Semester III) &1 Elective of Information Technology specialization.

Electives:

(A) MARKETING		
	1)	Consumer Behavior
	2)	Advertising and Brand Management
	3)	Retail Management
	4)	Marketing of Services
	5)	Rural Marketing
	6)	Sales And Distribution Management
	7)	Customer Relationship Management
(B) HUMAN RESOURCE MANAGEMENT		
	1)	Human Resource Development System & Strategies
	2)	Manpower Planning & Management
	3)	Training and Development
	4)	International HR and Cross Cultural Management
	5)	Organizational Change & Development
	6)	Compensation and Performance Management
	7)	Industrial Relations
(C) FINANCE		
	1)	Financial Restructuring
	2)	Management of Financial Services & Institutions
	3)	Security Analysis and Portfolio Management
	4)	Financial Derivatives
	5)	Management Control System
	6)	International Financial Management
	7)	Corporate Tax Management
(D) INFORMATION TECHNOLOGY		
	1)	E-Business
	2)	Data Communication and Networking

MBA (Dual Specialization) - MBA (D)

MBA dual specialization is a two years post-graduation program. It gives you an extensive understanding of business finance, economics, and marketing as well as a variety of practical skills and work experience. Dual specialization is for candidates aspiring an exciting and challenging career in management.

Courses Offered MBA (Dual Specialization) - (D)

Semester		Course Title
I		Management Accounting
		Management Process and Organizational Behavior
		Marketing Management
		Quantitative Techniques for Management
		Managerial Economics
		Business Communication
		Information Technology in Management
		Environmental and Disaster Management
		Industrial Project/ Industrial Visit-I
II		Human Resource Management
		Financial Management
		Operations & Production Management
		Research Methodology
		International Marketing
		Data Communication and Networking
		Entrepreneurship and Small Business Management
		Business Ethics and Values
		Industrial Project/ Industrial Visit-II
III		Strategic Management
		Economic and legal Environment of Business
		Industrial Project - III (Summer Internship project)/Comprehensive Specialization-Viva
		6 subject papers (Specialization Area- Finance, Human Resource, Marketing, Retail Management and Rural Management)
IV		E-Business
		Project Management
		Industrial Project IV (Sector specific Project Work)/ Comp rehensive Specialization - Viva (Preferred to be taken by a student in an industry where he/she would opt to take permanent placement)
		6 subject papers (Specialization Area- Finance, Human Resource, Marketing, Retail Management and Rural Management)

Electives:

(A) MARKETING		
	1)	Consumer Behavior
	2)	Advertising Management
	3)	Retail Management
	4)	Marketing of Services
	5)	Sales And Distribution Management
	6)	Customer Relationship Management
	7)	Industrial Marketing
	8)	Integration Marketing Communication
	9)	Marketing Research
	10)	Product and Brand Management
	11)	Strategic Marketing
(B) HUMAN RESOURCE MANAGEMENT		
	1)	Human Resource Development System & Strategies
	2)	Human Resource Planning
	3)	Training and Development
	4)	International HR and Cross Cultural Management
	5)	Organizational Development
	6)	Strategic Compensation Management
	7)	Industrial Relations
	8)	Competency Mapping and Talent Management
	9)	Strategic Human Resource Management
	10)	Performance Management
	11)	Empowerment and Participative Management
(C) FINANCE		
	1)	Financial Restructuring
	2)	Management of Financial Services & Institutions
	3)	Security Analysis and Portfolio Management
	4)	Financial Derivatives
	5)	International Accounting
	6)	International Financial Management
	7)	Corporate Tax Management
	8)	Investment Management
	9)	Foreign Exchange Management
	10)	Strategic Cost Management and Control
	11)	Management Control System
(D) RETAIL MANAGEMENT		
	1)	Retail Marketing
	2)	Information Technology in Retail Management
	3)	Retail Stores and Operation Management
	4)	Retail and Supply Chain Management
	5)	International Retailing
	6)	Franchising and legal Issues in Retail Management
	7)	Retail Sales Techniques and Promotions
	8)	Visual Merchandising and Communication
	9)	Retail Branding and Strategy
	10)	E-Retailing and CRM
	11)	Mall and Risk management
(E) RURAL MANAGEMENT		
	1)	Rural Economy and Development
	2)	Rural Banking
	3)	Rural Marketing
	4)	Micro Financing Initiation in Rural Sector
	5)	Non –Formal Education for Rural Development
	6)	Socio-Cultural Changes and developments –Rural Sector
	7)	Health and Welfare in Rural Segment
	8)	Agri-Business Management
	9)	Natural Resource Management facilitating Rural Development
	10)	Entrepreneurship & Technology for developing Rural Sector
	11)	NGOs and its HRD in Rural Sector

MBA (Hospital & Health Care Management)

MBA with specialization in Hospital and Healthcare Management is a postgraduate course. This course aims at understanding the issues faced by health care systems, and the skills required for the perfect functioning of the healthcare sector.

Courses Offered MBA (Hospital & Health Care Management)

Semester		Course Title
I		Business Communication
		Computer Applications
		Principles of Management
		Organization Behavior
		Financial Management
		Essentials of Biostatistics
		Human Resource Management
		Marketing Management
II		Organizational Management of Clinical & Superspeciality Services
		Research Methodology
		Essentials of Health Economics
		Essentials of Demography
		Strategic Management
		Program Planning, Implementation, Monitoring and Evaluation
		Diagnostic, Support &Utility Services
		Hospital Materials, Equipment & Supply Chain Management
		Comprehensive Viva

The students will go for 1st Project Work for three months from 1st June to 31st August in the field of Hospital Management/Health Care i.e. a student has to select either to go for 1st project work for Hospital segment or Health care segment & the same will not be repeated in 2nd Project Work. The theory classes for Semester III will commence from 1st September.

Semester		Course Title
III		1st Project Work Presentation
		Health Care Delivery System & Policy
		Hospital facility, safety and risk management
		Health and Development
		Hospital Management Information System
		Quality & Accreditation in Healthcare
IV		Health Legislation and Legal Issues
		Introduction to Epidemiology
		2nd Project Work Presentation

Bachelor of Hotel Management & Catering Technology (BHMCT)

The programme prepares the students with a combination of necessary knowledge and hands-on training to take up responsibilities in the hospitality sector. Fully integrated teaching methods ensure academic excellence and

Course offered in Bachelor of Hotel Management & Catering Technology (BHMCT)

Semester	Course Title
I	Food Production Foundation -I
	Food & Beverage Service Foundation -I
	Front Office Foundation -I
	Housekeeping Foundation - I
	Applications of Computers
	Basic Hygiene & HACCP
	Food Production -I
	Food & Beverage Service Foundation -I
	Front Office Foundation -I
	Housekeeping Foundation - I
	Applications of Computers
	Inter-Personal Communication
II	Food Production Foundation -II
	Food & Beverage Service Foundation -II
	Front Office Foundation -II
	Housekeeping Foundation - II
	Food Science and Nutrition
	Business Communication
	Food Production Foundation -II
	Food & Beverage Service Foundation -II
	Front Office Foundation -II
	Housekeeping Foundation - II
	Food Science and Nutrition
	Business Communication
III	Food Production Operation -I
	Food & Beverage Service Operation -I
	Front Office Operation -I
	Housekeeping Operation - I
	Basic Accounting
	Principles of Management
	Food Production Operation -I
	Food & Beverage Service Operation -I
	Front Office Operation -I
	Housekeeping Operation - I
	Professional Behaviors & Mannerism

School of Hotel Management & Catering Technology

Hotel Management focuses on the development of human resource having technical competence for the hospitality industry.

Programme Structure

Programme	Duration	Eligibility Criteria	Selection Procedure
B. Sc. H&HA	3 Years	10 + 2 Pass	ET + PI
BHMCT	4 Years	10 + 2 (any stream) with min. 40% Marks	
BHMCT - MBA	5 Years	10 + 2 (any stream) with min. 40% Marks	

Semester	Course Title
IV	Food Production Operation -II
	Food & Beverage Service Operation -II
	Front Office Operation -II
	Housekeeping Operation – II
	Personality Development
V	20 Weeks Industrial Training
VI	Food Production Operation -III
	Food & Beverage Service Operation -III
	Front Office Management
	House Keeping Management
	Management Information Systems
VII	Advance Food Production
	Food & Beverage Management -I
	Facility Design & Management -I
	Sales & Marketing-I
	Financial Management-I
	Research Methodology
	Professional Elective/ Specialization -I
	Advance Food Production -I
VIII	Food Production Management
	Food & Beverage Management -II
	Facility Design & Management -II
	Sales & Marketing-II
	Financial Management-II
	Research Methodology
	Professional Elective/ Specialization -II
	Advance Food Production -II
	Research Project

JAIPUR NATIONAL UNIVERSITY

Bachelor of Science in Hospitality & Hotel Administration (B. Sc.) H&HA)

The programme covers all the essential subjects of Hotel Management l the major areas of the industry like food and beverage services, business communication, and Catering, including a hospitality, front office management and organizational behaviour.

Course offered in Bachelor of Science in Hospitality & Hotel Administration (B.Sc.) H&HA)

Semester	Course Title
I	Food Production Foundation– I
	Food & Beverage Service Foundation– I
	Front Office Foundation– I
	Hotel Housekeeping Foundation– I
	Applications of Computers
	Basic Hygiene & HACCP
	Food Production Foundation– I
	Food & Beverage Service Foundation– I
	Front Office Foundation– I
	Hotel Housekeeping Foundation–I
	Applications of Computers
	Inter personal Communication
II	Food Production Foundation –II
	Food & Beverage Service Foundation – II
	Front Office Foundation– II
	Hotel Housekeeping Foundation - II
	Food Science & Nutrition
	Business Communication
	Food Production Foundation – II
	Food & Beverage Service Foundation – II
	Front Office Foundation– II
	Hotel Housekeeping Foundation - II
	Food Science & Nutrition
	Business Communication
III	Food Production Operation- I
	Food & Beverage Service Operation - I
	Front Office Operation- I
	Housekeeping Operation – I
	Basic Accounting
	Principles of Management
	Food Production Operation- I
	Food & Beverage Service Operation - I
	Front Office Operation-I
	Housekeeping Operation -I
	Professional Behavior & Mannerism

Semester	Course Title
IV	20 weeks Industrial Training
V	Food Production Operation -II
	Food & Beverage Operation -II
	Front Office Operation -II
	Housekeeping Operation -II
	Hotel Accounting
	Hotel Laws & Risk Management
	Facility Design & Management-I
	Food Production Operation- II
	Food & Beverage Operation- II
	Front Office Operation- II
	Housekeeping Operation -II
	Personality Development
VI	Advance Food Production
	Advance Food & Beverage Operation
	Human Resource Management
	Food & Beverage Management
	Sales and Marketing
	Financial Management
	Facility Design & Management- II
	Advance Food Production
	Advance Food &Beverage Operation
	Management Information Systems (MIS)

BHMCT + MBA (BHMCT - MBA)

The Programme of Hotel Management focuses on preparing competent and committed professionals for the prevalent trends. Tourism and Hotel Industry. For MBA programme refer to School of Business and Management.

JAIPUR NATIONAL UNIVERSITY

School of Pharmaceutical Sciences

Pharmacy being an integral part of healthcare system, the School of Pharmaceutical Sciences prepares the students to become pharmacists who can cater to the needs of modern healthcare systems. Pharmacists Education in India is in a transitional phase due to the rapid expansion & development of health care facilities from PHCs to the super specialty hospitals. The programmes of School has been approved by AICTE and PCI.

Programme Structure

Programme	Duration	Eligibility	Selection Criteria
Bachelor of Pharmacy	4 Years	10+2 with min. 45% in PCM/ PCB	ET+PI
Master of Pharmacy (Pharmaceutics)	2 Years	B. Pharm with min 50% marks	
Master of Pharmacy (Pharmaceutical Chemistry)			
Master of Pharmacy (Pharmacology)			
Master of Pharmacy (Pharmaceutical Quality Assurance)			
Ph. D	3 years min.	M. Pharm with min 55% marks	
Doctor of Pharmacy	6 years	10+2 with min. 50% in PCM/ PCB	Merit+PI

Bachelor of Pharmacy (BPH)

Bachelor of Pharmacy is a 4 years Undergraduate degree program that deals with the intricacies of the pharmaceutical industry, starting from manufacturing medicines and drugs to dispensing them across various medical stores, distributors and stockists.

Courses Offered Bachelor of Pharmacy (BPH)

Semester	Course Title
I	Human Anatomy and Physiology I-Theory
	Pharmaceutical Analysis I -Theory
	Pharmaceutics I -Theory
	Pharmaceutical Inorganic Chemistry -Theory
	Communication skills -Theory
	Remedial Biology-Theory
	Remedial Mathematics -Theory
	Human Anatomy and Physiology I-Practical
	Pharmaceutical Analysis I -Practical
	Pharmaceutics I -Practical
	Pharmaceutical Inorganic Chemistry -Practical
	Communication skills -Practical
	Remedial Biology -Practical
II	Human Anatomy and Physiology II – Theory
	Pharmaceutical Organic Chemistry I – Theory
	Biochemistry – Theory
	Pathophysiology – Theory
	Computer Applications in Pharmacy – Theory *
	Environmental Sciences – Theory *
	Human Anatomy and Physiology I-Practical
	Pharmaceutical Organic Chemistry I– Practical
	Biochemistry– Practical
	Computer Applications in Pharmacy– Practical
III	Pharmaceutical Organic Chemistry II– Theory
	Physical Pharmaceutics I – Theory
	Pharmaceutical Microbiology– Theory
	Pharmaceutical Engineering – Theory
	Pharmaceutical Organic Chemistry II– Practical
	Physical Pharmaceutics I – Practical
	Pharmaceutical Microbiology– Practical
	Pharmaceutical Engineering –Practical
IV	Pharmaceutical Organic Chemistry III– Theory
	Medicinal Chemistry I– Theory
	Physical Pharmaceutics II– Theory
	Pharmacology I– Theory
	Pharmacognosy and Phytochemistry I– Theory
	Medicinal Chemistry I– Practical
	Physical Pharmaceutics II– Practical
	Pharmacology I– Practical
	Pharmacognosy and Phytochemistry I – Practical

Semester	Course Title
V	Medicinal Chemistry II – Theory
	Industrial Pharmacy I– Theory
	Pharmacology II– Theory
	Pharmacognosy and Phytochemistry II– Theory
	Pharmaceutical Jurisprudence – Theory
	Industrial Pharmacyl – Practical
	Pharmacology II– Practical
	Pharmacognosy and Phytochemistry II – Practical
VI	Medicinal Chemistry III – Theory
	Pharmacology III – Theory
	Herbal Drug Technology – Theory
	Biopharmaceutics and Pharmacokinetics – Theory
	Pharmaceutical Biotechnology– Theory
	Quality Assurance –Theory
	Medicinal chemistry III – Practical
	Pharmacology III – Practical
	Herbal Drug Technology – Practical
VII	Instrumental Methods of Analysis – Theory
	Industrial PharmacyII – Theory
	Pharmacy Practice – Theory
	Novel Drug Delivery System – Theory
	Instrumental Methods of Analysis – Practical
	Practice School*
VIII	Biostatistics and Research Methodology
	Social and Preventive Pharmacy
	Pharma Marketing Management
	Pharmaceutical Regulatory Science
	Pharmacovigilance
	Quality Control and Standardization of Herbals
	Computer Aided Drug Design
	Cell and Molecular Biology
	Cosmetic Science
	Experimental Pharmacology
	Advanced Instrumentation Techniques
	Dietary Supplements and Nutraceuticals
	Project Work

Master of Pharmacy (Pharmaceutics) (MPHPH)

M.Pharm. Pharmaceutics or Master of Pharmacy in Pharmaceutics is a postgraduate Pharmacy course. Pharmaceutics is the discipline of pharmacy that deals with all facets of the process of turning a new chemical entity (NCE) into a medication able to be safely and effectively used by patients in the community.

Semester	Course Title
I	Modern Pharmaceutical Analytical Techniques
	Drug Delivery System
	Modern Pharmaceutics
	Regulatory Affair
	Pharmaceutics Practical I
	Seminar/Assignment
II	Molecular Pharmaceutics (Nano Tech and Targeted DDS)
	Advanced Biopharmaceutics & Pharmacokinetics
	Computer Aided Drug Delivery System
	Cosmetic and Cosmeceuticals
	Pharmaceutics Practical II
	Seminar/Assignment

Master of Pharmacy (Pharmaceutical Chemistry) (MPHPC)

Masters of Pharmacy in Pharmaceutical Chemistry is a two-year postgraduate course in the field of Pharmacy. M. Pharm Pharmaceutical Chemistry is a non-dispensing area of study in Pharmacy which deals more in research aspects of the subject over the service and patient care.

Semester	Course Title
I	Modern Pharmaceutical Analytical Techniques
	Advanced Organic Chemistry -I
	Advanced Medicinal chemistry
	Chemistry of Natural Products
	Pharmaceutical Chemistry Practical I
	Seminar/Assignment
II	Advanced Spectral Analysis
	Advanced Organic Chemistry -II
	Computer Aided Drug Design
	Pharmaceutical Process Chemistry
	Pharmaceutical Chemistry Practical II
	Seminar/Assignment

Master of Pharmacy (Pharmacology)(MPHPL)

M.Pharm. in Pharmacology is essentially concerned with the study of the interactions that occur between a living organism and chemicals affecting normal or abnormal biochemical function.

Semester		Course Title
I		Modern Pharmaceutical Analytical Techniques
		Advanced Pharmacology-I
		Pharmacological and Toxicological Screening Methods-I
		Cellular and Molecular Pharmacology
		Pharmacology Practical I
		Seminar/Assignment
II		Advanced Pharmacology-II
		Pharmacological and Toxicological Screenin Methods-II
		Principles of Drug Discovery
		Experimental Pharmacology practical- II
		Pharmacology Practical-II
		Seminar/Assignment

Master of Pharmacy (Pharmaceutical Quality Assurance) (MPHQA)

M.Pharm in Pharmaceutical Analysis and Quality Assurance is a two-year post-graduate program for pharmacy students. Pharmaceutical is considered a part of the healthcare industry that deals with analysis, review, manufacturing, trial, and quality assurance of drugs/ medicines.

Semester		Course Title
I		Modern Pharmaceutical Analytical Techniques
		Quality Management System
		Quality Control and Quality Assurance
		Product Development and Technology Transfer
		Pharmaceutical Quality Assurance Practical I
		Seminar/Assignment
II		Hazards and Safety Management
		Pharmaceutical Validation
		Audits and Regulatory Compliance
		Pharmaceutical Manufacturing Technology
		Pharmaceutical Quality Assurance Practical II
		Seminar/Assignment

Course of study for M. Pharm. III Semester (Common for All Specializations)

Masters of Pharmacy (Common for all streams)		Research Methodology and Biostatistics*
		Journal club
		Discussion / Presentation (Proposal Presentation)
		Research Work

Course of study for M. Pharm. IV Semester (Common for All Specializations)

Masters of Pharmacy (Common for all streams)		Journal Club
		Research Work and Colloquium
		Discussion/Final Presentation

Pharm. D (6 Year)

Doctor of Pharmacy is a programme of six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days.

Years		Course Title
I-Year		Human Anatomy and Physiology
		Pharmaceutics
		Medicinal Biochemistry
		Pharmaceutical Organic Chemistry
		Pharmaceutical Inorganic Chemistry
		Remedial Biology
		Remedial Mathematics
		Human Anatomy and Physiology
		Pharmaceutics
		Medicinal Biochemistry
		Pharmaceutical Organic Chemistry
		Pharmaceutical Inorganic Chemistry
		Remedial Biology
II-Year		Pathophysiology
		Pharmceutical Microbiology
		Pharmacognosy and Phytopharmaceutics
		Pharmacology-I
		Community Pharmacy
		Pharmacotherapeutics-I
		Pharmceutical Microbiology
		Pharmacognosy and Phytopharmaceutics
		Pharmacotherapeutics-I
III-Year		Pharmacology - II
		Pharmaceutical Analysis
		Pharmacotherapeutics - II
		Pharmaceutical Jurisprudence
		Medicinal Chemistry
		Pharmaceutical Formulations
		Pharmacology - II
		Pharmaceutical Analysis
		Pharmacotherapeutics - II
		Medicinal Chemistry
		Pharmaceutical Formulations

Years		Course Title
IV-Year		Pharmacotherapeutics - III
		Hospital Pharmacy
		Clinical Pharmacy
		Biostatistics & Research Methodology
		Biopharmaceutics & Pharmacokinetics
		Clinical Toxicology
		Pharmacotherapeutics - III
		Hospital Pharmacy
		Clinical Pharmacy
		Biopharmaceutics & Pharmacokinetics
V-Year		Clinical Research
		Pharmacoepidemiology and Pharmacoeconomics
		Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring
		Clerkship
		Project Work

Bachelor of Computer Application (BCA)

Bachelor of Computer Applications (BCA) is a 3-year (six semesters) undergraduate programme in Computer Applications. The objective of Bachelor of Computer Applications is to demonstrate the sound knowledge in key areas of Computer Science or Industrial Computing.

Course offered in Bachelor of Computer Application (BCA)

Semester	Course Title
I	Basic Mathematics
	English
	Computer Basics and PC Software
	Basic Digital Electronics
	Programming Principles and Algorithms (PPA)
	PC Software Lab
	PPA Lab
	Basic Digital Electronics Lab
II	Elements of Statistics
	Business Accounting
	Computer Organization
	Internet Technology and Web Designing
	Programming in 'C'
	C programming Lab
	Web Programming Lab
	Seminar(Presentation Skills)
III	Data Structure Using 'C'
	Discrete Mathematics
	Software Engineering -I
	DBMS-I
	Soft Skills
	Data Structure Lab
	DBMS Lab-I
	Soft Skills Lab
IV	Object Oriented Programming using C++
	Operating System
	Advanced Internet Technologies
	DBMS-II
	Software Engineering -II
	C++ Lab
	Advanced IT Lab
	DBMS Lab-II
V	Unix and Shell Programming
	Core Java
	Computer Based Numerical Methods
	Computer Networks
	Environmental Science
	Unix and Shell Programming Lab
	Java Programming Lab
	Seminar
VI	Management Information System
	.Net Programming
	Introduction to ICT Resources
	Operations Research
	Net Programming Lab
	IC Resource Lab
	Advanced Web Development Project

School of Computer & Systems Sciences

School of Computer & Systems Sciences The role of IT and IT enabled services in our interaction with many government and non government agencies is increasing with the changing scenario of development. All the programmes being offered by the School have been designed with inputs from leading academicians and industry leaders to mentor and groom technology experts for the future. The curricula of the programmes of the school aim at practical understanding of all the concepts with major emphasis on creative thinking and innovation.

Programme Structure

Programme	Duration	Eligibility Criteria	Selection Procedure
BCA	3 Years	10 + 2 from any stream with min. 48% marks	Merit + Interview
MCA	3 Years	Graduation in any stream with a min. of 50% and Mathematics and one of the subjects, either at 10+2 or graduation level	Entrance Test + Interview
PGDCA	1 Year	Graduation in any stream with a min. of 48% marks	Merit + Interview
M. Tech. (Computer Science Engg.)	2 Years	Pass with 55% aggregate marks in BE/ B. Tech (CSE/IT/ECE) or MCA/M. Sc. (IT/Computer Science) or equivalent	Entrance Test + Interview
Ph. D. (Computer Science)	3 Years (Min.)	For Com. Sci. min. 55% aggregate in MCA/M.Sc. (Comp. Sc.)/M.Sc. - IT for Com. Sci. & Engineering: Min. 55% aggregate in M. Tech. (Comp. Sc.)/IT	Entrance Test + Interview

JAIPUR NATIONAL UNIVERSITY

Master of Computer Application (MCA)

Master of Computer Application is a three-year professional Master's Degree programme in Computer Science. The broad objective of MCA programme is to prepare graduate students for productive careers in software industry and academia by providing appropriate environment for teaching and research in the core and emerging areas of the discipline.

Course offered in Master of Computer Application (MCA)

Semester	Course Title
I	Mathematical Foundation of Computer Science
	Computer and 'C' Programming
	Computer Organization & Architecture
	Data Base Management System
	Accounting and Financial Accounting
	Office Management Lab
	Programming in C lab
	DBMS Lab
	Communication & Soft Skills -I
II	Data Structure Using C
	Computer Oriented Numerical and Statistical Techniques
	Operating System
	Data Communication & Computer Networks
	Environmental Science
	Data Structures Using C Language Lab
	Numerical & Statistical Techniques Lab
	Unix &Shell programming Lab
	Communication & Soft Skills -II
III	Object Oriented Programming with C++
	System Analysis and Design
	Computer Graphics
	Artificial Intelligence
	Design and Analysis of Algorithm
	Object Oriented Programming with C++ Lab
	Computer Graphics Lab
	DAA Lab
	Communication & Soft Skills - III
IV	Software Engineering
	Java Programming
	Compiler Design
	Computer Based Optimization Techniques
	Microprocessor Design and Assembly Language
	Software Engineering Lab
	Java Programming Lab
	Microprocessor Lab
	Communication & Soft Skills -IV
	RDBMS Concepts and introduction to SQL
	Database 10G Administration Workshop I Release-2-WDP (D17092GC31S)
	Oracle Database 10G Administration Workshop II Release-2-WDP (D17090GC31S)
V	WEB Technology
	***Elective I**
	Advanced Database Concepts
	Advanced Java Programming
	Android Programming
	.NET Framework and ASP.NET
	Management Information System
	***Elective II**
	Parallel Processing
	Mobile Computing
	Data Warehousing & Data Mining
	Real Time Systems
	System Simulation & Modelling
	WEB Technology Lab
	***Elective I Lab**
	.NET Lab
	Communication & Soft Skills -V
VI	Industrial Project

Post Graduate Diploma Course in Computer Applications programme (PGDCA)

PGDCA is a one-year (two semesters) Post Graduate Diploma Course in Computer Applications programme. The programme provides overall proficiency to the students in both hard and soft skills.

Course offered in Post Graduate Diploma Course in Computer Applications programme (PGDCA)

Semester	Course Title
I	Mathematical Foundation of Computer Science
	Computer and 'C' Programming
	Computer Organization & Architecture
	Data Base Management System
	Accounting and Financial Management
	Office Management Lab
	Programming in C lab
	DBMS Lab
	Communication & Soft Skills-I
II	Data Structure Using C
	Computer Oriented Numerical and Statistical Techniques
	Operating System
	Data Communication & Computer Networks
	Environmental Science
	Data Structures Using C Language Lab
	Numerical & Statistical Techniques Lab
	Unix &Shell programming Lab
	Communication & Soft Skills-II

M. Tech. (Computer Science) (M. Tech-CS)

M.Tech. (Computer Science) gives in-depth & detailed knowledge of various fields of computer science. The programme is designed to make students professionally sound to cope with the challenges of modern day IT sector. The students have an option to undertake a project work in lieu of some of the course. The programme aims at preparing the students to take up application, research and development activities in core and some emerging areas in Computer Science, with focus on AI and AI related applications in a distributed computing environment.

Semester	Course Title
I	Cryptography & Network Security
	AI and Fuzzy Logic
	Advanced Operating Systems
	Advanced DBMS
	Elective -1
	Object Oriented Design & Construction
	Modern Compiler Design
	Advance Data Communication & Network
	Cryptography Lab.
	ADBMS Lab.
II	Advanced Data Structures & Algorithms
	Advanced Computer Architecture
	Real Time and Embedded Systems
	Data Mining and Bio Informatics
	Elective -2
	Soft Computing
	Wireless and Mobile Communication
	Simulation and Modelling
	Algorithm Analysis Lab.
	Wireless & Mobile Com Lab
III	Information Retrieval
	Research Methodology
	Parallel & Distributed Computing
	Elective-3
	Digital Signal Processing
	Data Mining & Knowledge Management
	Animation and Advanced Computer Graphics
	Information Retrieval Lab.
	Seminar
IV	Seminar
	Dissertation

JAIPUR NATIONAL UNIVERSITY

School of Education

Perfecting pedagogy is the life force of this School, which has emerged as a premier institute of Pedagogical Studies and Research. It is also known as the first B Ed college in Rajasthan to introduce educational technology through content analysis, concept mapping, use of Bloom's Taxonomy, and Constructivist Taxonomy.

Programme Structure			
Programme	Duration	Eligibility	Selection Criteria
Bachelor of Education	2 years	Graduation with min.50% marks	ET + P I (Reservation as per Govt. Norms)
Bachelor of Arts	3 years	10+2 any stream	Merit + P I
Bachelor of Arts., Bachelor of Education	4 years	10+2 with min.50% (reservation as per Govt. norms)	ET + P I
Bachelor of Science., Bachelor of Education			
Master of Education	2 years	Graduation in Education with min. 50% marks	ET + P I (Reservation as per Govt. Norms)
M. Phil	1 year	M.Ed./MA in Education with 55% Marks	ET + P I
Ph. D	3 years min.	M.Ed./MA in Education with 55% marks	ET + P I

Bachelor of Education (BED)

B.Ed or Bachelor of Education is a 2 year professional course that is done after graduation to work as a teacher in schools. According to the National Council of Teacher Education (NCTE) it is mandatory for all teachers to have a B.Edcourse.Bachelor of Education (BED)is a professional course and right after completing this course, students can get a job at school level.

Courses offered in Bachelor of Education (BED)

Semester	Course Title
I	Childhood and Growing up
	Contemporary India and Education
	Language across the curriculum
	Understanding Disciplines and Subjects : Social Science/ Science/ Language
	Yoga Health and Personality
II	Teaching and Learning
	Drama and Art in Education
	Assessment for Learning
	Computer Application in Education
	Pedagogy of a School Subject – Part I
	Pedagogy of a School Subject – Part II
	School Internship
III	Knowledge and Curriculum Part II
	Critical Understanding of ICT
	School Internship
IV	Gender, School and Society
	Creating an Inclusive School
	Peace Education
	Environmental Education
	Post Internship

Bachelor of Arts (BAP)

It is a 3 year program that enables you with necessary skills to sustain and succeed in different work cultures such as critical and innovative thinking.

Courses offered in Bachelor of Arts (BAP)

Semester	Course Title
I	ESSENTIAL LANGUAGE SKILLS
	INTRODUCTION TO SOCIOLOGY
	FOUNDATIONS OF POLITICAL SCIENCE
	ANCIENT HISTORY OF INDIA (UPTO 1200 A.D.)
	POETRY AND DRAMA
	MICRO ECONOMICS
	PHYSICAL GEOGRAPHY
	PRINCIPLES OF PSYCHOLOGY
	PRINCIPLES OF PUBLIC ADMINISTRATION
	CONTEMPORARY INDIA AND EDUCATION
II	ESSENTIAL LANGUAGE SKILLS
	INDIAN SOCIETY
	REPRESENTATI VE INDIAN POLITICAL THINKERS
	HISTORY OF RAJASTHAN
	PROSE AND FICTION
	INDIAN ECONOMICS
	GEOGRAPHY OF RAJASTHAN
	ABNORMAL PSYCHOLOGY
	PUBLIC ADMINISTRATION IN INDIA
	LEARNING AND TEACHING
III	HINDI
	SURVEY METHODS IN SOCIAL INVESTIGATIONS
	SELECTED POLITICAL SYSTEM
	MEDIEVAL INDIA (1206-1740 A.D.)
	POETRY AND DRAMA
	MACRO ECONOMICS
	HUMAN GEOGRAPHY
	SOCIAL PSYCHOLOGY
	ADMINISTRATIVE INSTITUTIONS IN INDIA

Semester	Course Title
IV	HINDI COMPULSORY
	SOCIAL PROBLEMS IN CONTEMPORARY INDIA
	INDIAN POLITICAL SYSTEMS
	MAIN TRENDS IN CULTURAL HISTORY OF INDIA
	PROSE AND FICTION
	PUBLIC FINANCE
	GEOGRAPHY OF INDIA
	EXPERIMENTAL PSYCHOLOGY
	STATE ADMINISTRATION IN IND IA
V	ELEMENTRY COMPUTER APPLICATION
	SOCIAL THINKERS
	REPRESENTATIVE WESTERN POLITICAL THINKERS
	WORLD HISTORY
	POETRY AND DRAMA
	STATISTICS FOR ECONOMIC AN ALYSIS
	ECONOMIC GEOGRAPHY
	PSYCHOLOGY OF HUMAN DEVELOPMENT
	COMPARATIVE PUBLIC ADMINISTRATION
VI	COMPUTER
	INTRODUCING SUB SOCIOLOGIES
	INTERNATIONAL RELATIO NS SINCE
	MODERN INDIAN HISTORY
	PROSE AND FICTION
	MONEY AND BANKING
	WORLD GEOGRAPHY
	FOUNDATIONS OF PERSONALITY
	STATE ADMINISTRATION IN INDIA

Bachelor of Arts Bachelor of Education (BABED)

Integrated Programme of Teacher Education titled 'Bachelor of Arts Education' (B.A., B.Ed.) is a degree programme. The programme will be of four year duration organized on the semester pattern with 2 semesters in a year.

Courses offered in Arts Bachelor of Education (BABED)

Semester		Course Title
I		Essential Language Skills (English)
		Yoga ,Health and Personality (Theory)
		Yoga ,Health and Personality (Practical)
		Sociology-I (Introduction to Sociology)
		Sociology-II (Indian Society)
		History-I (Ancient History of India)
		History-II (History of Rajasthan)
		Political Science-I (Introduction to Political Science)
		Political Science-II (Introduction to Political Theory)
		English Literature –I (Poetry and Drama)
		English Literature –II (Prose and Fiction)
		Geography-I (Physical Geography)
		Geography-II (Geography of Rajasthan)
		Geography-III (Practical)
		Economics –I (Micro Economics- Basics)
		Economics –II (Micro Economics -Advanced)
		Psychology-I (Introduction to Psychology)
		Psychology-II (Human Development)
		Psychology -III(Practical)
		Public Administration- I
		Public Administration-II
		Hindi Literature-I (हिन्दी भाषा का उद्भव एवं विकास)
		Hindi Literature-II (भारतीय काव्यशास्त्र)
		Drawing and Painting –I(Fundamental of Visual Art)
		Drawing and Painting-II (Practical- Still Life)
		Drawing and Painting -III (Practical- Creative Design)
		Home Science (Physiology/ Applied Life Science)
		Home Science (Family Resource Management & Housing)
		Home Science (Practical)
		Urdu Literature-I
		Urdu Literature-II

Semester		Course Title
II		Computer Application in Education
		Teaching and Learning
		Sociology-I (Society, Culture and Globalization)
		Sociology-II (Social Problems in India)
		History-I (Medieval History)
		History-II (Main Trends of Indian Culture and Art))
		Political Science-I (Indian Political Thought)
		Political Science-II (Indian Polity)
		English Literature –I (Poetry and Drama)
		English Literature –II (Prose and Fiction)
		Geography-I (Human Geography)
		Geography-II (Geography of Resources and its Utilization
		Geography-III (Practical)
		Economics –I (Indian Economics)
		Economics –II (Economy of Rajasthan)
		Psychology-I (Social Psychology)
		Public Administration- I
		Public Administration-II
		Hindi Literature –I (आधुनिक काव्य)
		Hindi Literature –II (प्रयोजनमूलक हिंदी)
		Drawing and Painting –I(Art in education, culture and society)
		Drawing and Painting-II (Practical- Still Life)
		Drawing and Painting -III (Practical- Rendering)
		Home Science-I (Child Development)
		Home Science-II(Food and Nutrition)
		Home Science (Practical)
		Urdu Literature -I
		Urdu Literature-II

Semester		Course Title
III		General Hindi
		Knowledge and Curriculum
		Sociology (Survey Methods in Social Investigations)
		Sociology (Environment and Society)
		Political Science (Indian Constitution)
		Political Science (Indian Political Thoughts)
		History (World Civilization)
		History (Modern History of India - 1707 AD-1857 AD)
		English Literature (Poetry and Drama)
		English Literature (Prose and Fiction)
		Economics (Macro Economics-I)
		Economics (Macro Economics-II)
		Geography (Geography of India)
		Geography (Economic Geography)
		Geography (Practical)
		Psychology (Psychopathology)
		Psychology (Psychological Assessment and Statistics)
		Psychology (Practical)
		Hindi Literature (भक्तिकालीन काव्य)
		Hindi Literature (हिन्दी विधायें)
		Drawing and Painting (History of Indian Painting and Sculpture)
		Drawing and Painting (Practical -Landscape Painting)
		Drawing and Painting(Practical – Composition)
		Home Science (Nutrition in Health and Disease
		Home Science (Family Dynamics and Parent Education)
		Home Science (Practical)
		Urdu Literature -I
		Urdu Literature -II

Semester		Course Title
IV		Essential Language Skills -II
		Assessment for Learning
		Sociology-I (Rural Sociology)
		Sociology-II (Social Change in India)
		History-I (Modern History of India (1857 to 1947)
		History-II (Indian After 1947)
		Political Science-I (Representative Western Political Thinkers)
		Political Science-II (State Polity of Rajasthan)
		[illegible]
		English Literature –II (Prose and Fiction)
		Geography-I (Geography of Asia)
		Geography-II (Environmental Geography)
		Geography-III (Practical)
		Economics –I (Public Finance)
		Economics –II (Statistics for Economic Analysis)
		Pedagogy of a School Subject – Part I
		• Pedagogy of English
		• Pedagogy of Sanskrit
		• Pedagogy of Commercial Practices
		• Pedagogy of Political Science
		• Pedagogy of Chemistry
		• Pedagogy of Mathematics
		• Pedagogy of General Science
		• Pedagogy of General Science
		• Pedagogy of a School Subject – Part II
		• Pedagogy of History
		• Pedagogy of Drawing and Painting
		• Pedagogy of Economics
		• Pedagogy of Hindi
		• Pedagogy of Geography
		• Pedagogy of Book Keeping
		• Pedagogy of Biology
		• Pedagogy of Physics
		• Pedagogy of Social Science
		Public Administration-I
		Public Administration-II
		Hindi Literature –I (Natak Tatha Nibandh)
		Hindi Literature –II (Bhasha Vigyan)
		Drawing and Painting –I(History of Indian Painting and Sculpture-II)
		Drawing and Painting-II (Practical- Nature Life)
		Drawing and Painting -III (Practical- Composition)
		Home Science-I (Home Science Education and Extension)
		Home Science-II(Textile Designing and Apparel Making)
		Home Science (Practical)
		Urdu Literature -I
		Urdu Literature -II

Semester		Course Title
V		Environmental Education
		Contemporary India and Education
		Sociology-I (Population Studies)
		Sociology-II (Classical Socio Thinkers)
		Political Science-I (Western Political Thinkers)
		Political Science-I (International Relations)
		History-I (World History – 1453 to 1815)
		History-II (World History – 1815-1945)
		English Literature-I (Poetry and Drama)
		English Literature-II (Prose and Fiction)
		Economics-I (Development Economics-I)
		Economics-II (Development Economics-II
		Geography-I (World Geography - I)
		Geography-II (Agriculture Geography)
		Geography (Practical)
		Psychology-I (Child Psychology)
		Psychology-II (Adolescent Psychology)
		Psychology (Practical)
		Hindi Literature-I (हिंदी पद्य)
		Hindi Literature-II (रीतिकालीन काव्य)
		Drawing and Painting (History of Ancient Art and Western Art)
		Drawing and Painting (Practical – Anatomy)
		Drawing and Painting(Practical- Study from life)
		Home Science (Fundamentals of A/D)
		Home Science (Interior Decoration)
		Home Science (Practical)

Semester		Course Title
VI		General Hindi
		Childhood and Growing Up
		Sociology-I ()
		Sociology-II ()
		Political Science-I ()
		Political Science-I ()
		History-I ()
		History-II ()
		English Literature-I (Poetry and Drama)
		English Literature-II (Prose and Fiction)
		Economics-I ()
		Economics-II ()
		Geography-I ()
		Geography-II ()
		Geography)
		Psychology-I ()
		Psychology-II (Adolescent Psychology)
		Psychology (Practical)
		Hindi Literature-I (हिंदी पद्य)
		Hindi Literature-II (रीतिकालीन काव्य)
		Drawing and Painting (History of Ancient Art and Western Art)
		Drawing and Painting (Practical – Anatomy)
		Drawing and Painting(Practical- Study from life)
		Home Science (Fundamentals of A/D)
		Home Science (Interior Decoration)
		Home Science (Practical)
		School Internship (Two Weeks)
VII		Gender , School and Society
		Creating an Inclusive School
		Pedagogical Inputs
		School Internship (Two Weeks)
		School Internship (Sixteen Weeks)
VIII		Drama and Art in Education
		Guidance and Counselling in Schools
		Peace and Value Education
		Indian Constitution and Human Rights
		Post Internship

Bachelor of Science Bachelor of Education (BSCBED)

For Science Teachers, Bachelor of Science Education is a degree awarded to students who accomplish the four year programme of study in the field of science (in biology, chemistry, physics, and math) with major Educational courses.

Courses offered in Bachelor of Science Bachelor of Education (BSCBED)

Semester		Course Title
I		Essential Language Skills-I (English)
		Yoga ,Health and Personality (Theory)
		Yoga and Health (Practical)
		Chemistry –I (Physico-inorganic Chemistry)
		Chemistry-II (Physico-organic Chemistry)
		Chemistry (Practical)
		Botany-I (Introductory Microbiology)
		Botany –II (Algae, Fungi and lichen)
		Botany (Practical)
		Zoology –I (Animal Diversity)
		Zoology –II (Cell and Molecular Biology)
		Zoology (Practical)
		Mathematics -I(Calculus)
		Mathematics –II (Differential Equations)
		Mathematics –(Project)
		Physics –I (Optics)
		Physics –II (Electromagnetism)
		Physics –III (Practical)
II		Learning and Teaching
		Computer application in Education
		Chemistry –I (Physico-inorganic Chemistry)
		Chemistry-II (Physico-organic Chemistry)
		Chemistry (Practical)
		Botany-I (Bryophyta and Pteridophyta)
		Botany –II(Gymnosperms and angiosperms)
		Botany (Practical)
		Zoology –I (Genetics and Evolution)
		Zoology –II (Developmental Biology)
		Zoology (Practical)
		Mathematics -I(Numerical Analysis)
		Mathematics –II (Discrete Mathematics)
		Mathematics –(Project)
		Physics –I (Electronic Devices and Circuits)
		Physics –II (Solid State Physics)
		Physics –III (Practical)

Semester		Course Title
III		General Hindi-I
		Knowledge and Curriculum
		Chemistry –I (Physico-inorganic Chemistry)
		Chemistry-II (Physico-organic Chemistry)
		Chemistry (Practical)
		Botany-I (Angiosperm Taxonomy and Economic Botany)
		Botany –II (Plant Morphology and Anatomy)
		Botany (Practical)
		Zoology –I (Structure and Function of Non Chordates)
		Zoology –II (Animal Physiology and Endocrinology)
		Zoology (Practical)
		Mathematics -I(Algebra of Matrices)
		Mathematics –II (Abstract Algebra)
		Mathematics –(Project)
		Physics –I (Mechanics, waves and oscillations)
		Physics –II (Theory of Relativity and Modern Physics)
		Physics –III (Practical)
IV		Essential language skill-II (English)
		Assessment for Learning
		Pedagogy subjects
		Chemistry –I (Physico-inorganic Chemistry)
		Chemistry-II (Physico-organic Chemistry)
		Chemistry (Practical)
		Botany-I (Plant Physiology(Part-I))
		Botany –II (Plant Physiology(Part-II)
		Botany (Practical)
		Zoology –I (Biochemistry and Immunology)
		Zoology –II (Structure and functions of chordate)
		Zoology (Practical)
		Mathematics -I(Real Analysis)
		Mathematics –II (Optimization Techniques)
		Mathematics –(Project)
		Physics –I (Thermodynamics and Statistical Physics)
		Physics –II (Elementary of Quantum Mechanics)
		Physics –III (Practical)

Semester		Course Title
V		Environmental Education
		Contemporary India and Education
		Chemistry –I (Physico-inorganic Chemistry)
		Chemistry-II (Physico-organic Chemistry)
		Chemistry (Practical)
		Botany-I (Cell Biology and Immunology)
		Botany –II (Genetics and Plant Breeding)
		Botany (Practical)
		Zoology –I (Micro Biology and Bio Technology)
		Zoology –II (Applied Zoology and Ethnology)
		Zoology (Practical)
		Mathematics -I(Vector Calculus and Linear Algebra)
		Mathematics –II (Mechanics)
		Mathematics –(Project)
		Physics –I (Mathematical Physics)
		Physics –II (Atomic and Molecular Physics)
		Physics –III (Practical)
VI		Childhood and Growing Up
		General Hindi-II
		School Internship (Two Weeks)
		Chemistry –I (Physico-inorganic Chemistry)
		Chemistry-II (Physico-organic Chemistry)
		Chemistry (Practical)
		Botany-I (Molecular Biology and Biochemistry)
		Botany –II (Ecology and Applications of Biotechnology)
		Botany (Practical)
		Zoology –I (Ecology and Biostatistics)
		Zoology –II (Environmental Biology)
		Zoology (Practical)
		Mathematics -I(Mathematical Statistics)
		Mathematics –II (Laplace and Fourier Transformation)
		Mathematics –(Project)
		Physics –I (Nuclear and Particle Physics)
		Physics –II (Experimental Techniques)
		Physics –III (Practical)

Semester		Course Title
VII		Gender , School and Society
		Creating an Inclusive School
		Pedagogical Inputs
		School Internship (Two Weeks)
		Simulative teaching and Learning
		Mastery even sem teaching skills
		Innovative Lesson
		Cooperative learning
		Constructivism
		Problem solving
		project methods
		School Internship (Sixteen Weeks)
VIII		Drama and Art in Education
		Guidance and Counselling in Schools
		Peace and Value Education
		Indian Constitution and Human Rights
		Post Internship
		Criticism Lesson
		Final Practical

Master of Education (MED)

Master of Education is a master degree programme that deals with the study of new methods of teaching and educational research. The programme focuses on different aspects of education including instruction, curriculum, counselling, leadership, and educational technology.

Courses offered in Master of Education (MED)

Semester		Course Title
I		Psychology of learning and Development
		Historical , Political and Economy of Education
		Educational Studies
		Introduction to Educational Research
		Communication and Expository Writing
		Self - Development and Yoga
		ICT
II		Philosophical Foundation of Education
		Sociological Foundation of Education
		Curriculum Studies
		Pre-service and In-service Teacher Education
		Dissertation
		Internship in Teacher Training In stitution (3 weeks)
III		Educational Planning and Management at Elementary /Secondary
		OR
		Issues Curriculum and Assessment at secondary level
		Advanced Educational Research
		Educational Technology and in structional process
		Perspectives , Research and Issues in Teacher Education
		Academic Writing
		Dissertation
IV		• Pedagogy of Social Science Education at Elementary / Secondary Education
		• Pedagogy of Language Education at Elementary / Secondary Education
		• Educational Planning, Management and Finance at Elementary / Secondary Level
		• Educational Administration of Elementary / Secondary Level
		Dissertation

M.Phil

This programme has a goal to sculpt the teachers with professional excellence as well as humane sensitivity.

Courses offered in M.Phil

Semester		Course Title
I		FOUNDATION OF EDUCATIONAL RESEARCH
		ELECTIVE PAPERS (ANY ONE) 1) ADVANCE EDUCATIONAL ADMINISTRATION 2) ADVANCE EDUCATIONAL PSYCHOLOGY 3) EDUCATIONAL STATISTICS AND STATISTICAL INFERENCES
		PROPOSAL FOR DISSERTATION AND REVIEW OF RESEARCH STUDIES
II		PSYCHO-SOCIAL BASIS OF EDUCATIONAL RESEARCH
		DISSERTATION

JAIPUR NATIONAL UNIVERSITY

School of Social Sciences

The School of Social Sciences offers employment friendly programmes at Master's and Doctorate levels in Social Work.

The course contents are so designed to groom the aspirants as Adult Guidance Workers, Career Advisors and Community Development Counsellors.

Programme Structure

Programme	Duration	Eligibility Criteria	Selection Procedure
Master of Social Work	2 Years	Graduation (any stream) (with min. 48% marks	ET + PI
M. Phil. (Social Work)	1 Year	MSW with min. 50% Marks	
Ph. D.	3 Years (Min.)	Post Graduation with 55% in Relevant Discipline	

Master of Social Work (MSW)

Master of Social Work (MSW) programme aims at social work education and building social work knowledge and practice through arrange of ideological stances, research and field engagements.

Course offered in Master of Social Work (MSW)

Semester		Course Title
I		Personality and Dynamics of Human Behaviour
		Human Society and Culture
		Social Case Work: Theory and Practice
		Group Work: Theory and Practise
		Field work; Field-work Practicum & Viva-voce
II		Social and Human Development
		Population and Environment-
		Community Organization: Theory and Practice
		Social Work Research-
		Social Welfare Administration and Social Action
		Field-work Practicum & Viva- voce
		Social Work: Themes and Perspectives
III		Social Policy and Planning in India-
		Social Statistics and Computer Applications-
		Trade Unions and Industrial Relations
		Labour Welfare and Social Security
		Women and Society in India-
		Youth Welfare and Development
		Field-work Practicum & Viva- voce-
		Counselling and Communication
IV		Participatory Approaches to Development and Social Work Practice Skills
		Political Economy and Development-
		Human Resource Management
		Labour Legislations in India
		Child Welfare and Development-
		Welfare of the Aged
		Field-work Practicum
		Field-based Research Report Project Work/ Dissertation
		English

M. Phil. (Social Work)

The M.Phil Programme in Social Work is a research based programme which is meant to produce social work professionals in the most advanced and innovative social work research methods and equip to take up a careers in academics or research and pursue doctoral programmes in social work.

Course offered in M. Phil. (Social Work)

01		Theoretical Orientations In Sociology ;
02		Research Methodology-
Elective Papers:		
03		Social Labour Welfare
03		Rural and Urban Community Development -
M.PHIL. IInd SEMESTER		
04		Dissertation
M.PHIL. (SOCIAL WORK) 1ST SEMESTER, THEORETICAL AND CONCEPTUAL ISSUES IN SOCIAL WORK		
01		Theoretical and Conceptual Issues in Social Work -
02		Social Work Research
Elective Papers:		
03		Social Work in Industry
04		Mental Health
05		Rural and Urban Community Development in India
M.PHIL. (SOCIAL WORK) 1Ind SEMESTER		
06		Dissertation

JAIPUR NATIONAL UNIVERSITY

School of Media Studies

Media is referred to as the fourth pillar of democracy, the whistle blower and watchdog of the society. It plays a significant role in nation building.

The programmes of the School are designed to nurture media professionals through sustained and intensive practical and theoretical lessons. The School has qualified and experienced teachers to ensure all round development of the students. The school runs undergraduate (BJMC) and postgraduate (MJMC) programmes in Journalism and Mass Communication. Also it offers short term courses in Broadcast Journalism and Videography.

Programme Structure

Programme	Duration	Eligibility Criteria	Selection Procedure
BJMC	3 Years	10+2 (any stream) pass	Merit + PI
MJMC	2 Years	Graduation in Relevant Programme with min. 50%	
Diploma in Vidaography	1 Year	10+2 (any stream) pass	
Ph. D. Mass Communication & Journalism	3 Years (Min.)	Post Graduation with 55% in Relevant Discipline	ET + PI

Course offered in Bachelor of Journalism and Mass Communication (BJMC)

Semester	Course Title
I	Introduction to Communication
	Media Reporting
	Communicative English
	History of Press
II	Introduction to Communication
	Media Reporting
	Communicative English
	History of Press
	Theoretical Perspectives on Media
	Creative Writing- (Hindi & English)
	Radio Production
	TV Production
	Theoretical Perspectives on Media
	Creative Writing- (Hindi & English)
	Radio Production
	TV Production

Bachelor of Journalism and Mass Communication (BJMC)

The programme offers a wide range of opportunities in the field of mass media journalism, public relations and advertising. Journalists work in all types of media fields and industries.

Semester	Course Title
III	Communication Research and Methods
	Media Ethics & Laws
	Media & Politics
	Film Appericatation
IV	Broadcast Journalism
	Basics of Editing
	Corporate Communication
	Elective I Option I Media Management
	Elective I Option II
	Broadcast Journalism
	Basics of Editing
	Corporate Communication
	Elective I Option I Media Management
	Elective I Option II
	Elective II Option I
	Development Communication
	Elective II Option II
	Media & Society
V	Rural Journalism
	Advertising and PR
	Understanding World History
	Elective II Option I
	Development Communication
	Elective II Option II
	Media & Society
	Rural Journalism
	Advertising and PR
	Understanding World History
VI	Environment Communication
	Women & Gender Studies
	Elective III Option I
	New Media
	Elective III Option II
	Cyber Journalism
	Project Work
	Environment Communication
	Women & Gender Studies
	Elective III Option I
	New Media
	Elective III Option II
	Cyber Journalism
	Project Work

Master of Journalism and Mass Communication (MJMC)

The aim of MJMC programme is to educate students in the fields of journalism, mass communication, media research, advertising and public relations.
Area of specialization- TV / Documentary Production, Newspaper : Layout and Design, Photography: Still & Video, TV news capsule production, Advertisement

Course offered in Master of Journalism and Mass Communication (MJMC)

Semester	Course Title
I	Theoretical Perspectives of Communication
	Information Technology and Web World
	History of Media in India
	Meaning and Making of News I
	Theoretical Perspectives of Communication
	Information Technology and Web World
	History of Media in India
	Meaning and Making of News I
II	Radio Production
	Development Communication
	Media Ethics & Laws
	Meaning & Making of News II
	Radio Production
	Development Communication
	Media Ethics & Laws
	Meaning & Making of News II
III	Media and Communication Research
	Event Management
	TV Production
	E1 Corporate Communication and Advertising Elective 1 Option I E2 PR and Advertising Elective 1 Option II
	Media and Communication Research
	Event Management
	TV Production
	Corporate Communication and Advertising PR and Advertising
IV	Reporting and Editing
	Educational Communication
	E I Specialized Media Reporting Elective 2 Option I E II Specialized Reporting And Current Issues Elective 2 Option II
	Specializations
	Reporting and Editing
	Educational Communication
	E I Specialized Media Reporting E II Specialized Reporting And Current Issues
	Specializations

Diploma in Videography

Videography is much more than mere learning to operate video cameras. This programme is designed to learn basic camcorder videography and non-linear video editing techniques.

Course offered in Diploma in Videography

Semester	Course Title
I	Basics of Camera
	Functions and control of Video Camera
	Film Appreciation
	Indoor- Outdoor Production
	Basics of Camera
	Functions and control of Video Camera
	Film Appreciation
	Indoor- Outdoor Production
II	Television and production Techniques
	Lighting and Camera Techniques
	Basics of Editing & Techniques
	Capturing &Video editing Basic
	Television and production Techniques
	Lighting and Camera Techniques
	Basics of Editing & Techniques
	Capturing &Video editing Basic

JAIPUR NATIONAL UNIVERSITY

School of Languages, Literature & Society

The School offers Undergraduate, Post graduate & Reseach Programmes in English. The objectives of these programmes is to familiarize the students with the literary works of well known writes from Anglo;- Saxon period to present times.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.A. (Hons.) English	3 Years	10+2 (any stream) with min. 50% marks	Merit +PI
M.A. English	2 Years	Graduation in English with min. 50% marks	Merit +PI
M. Phil.	1 Year	Graduation in English with min. 55% marks	Merit +PI
Ph. D.	3 Years (Min.)	Graduation in English with min. 55% marks	ET+ PI

B.A. (Hons.) English (BAENG)

This program will develop students language skills to enable them to communicate in professional contexts. At the end of the program, students will have adequate level of linguistic and cultural competence and will be prepared for the professional world.

Course offered in B.A. (Hons.) English (BAENG)

Semester	Course Title
I	Modern English Usages & Language-I
	History of English Literature
	Introduction to English Literature -I
	Introduction to English Literature-II
	Introduction to Sociology-I
	French : Compulsory Language (other than English)
II	English Usage, Literary Forms and Devices
	Elizabethan Age and Metaphysicals
	17th and 18th Century Literature
	Pre-Romantic and Romantic Literature
	Elective II Introduction to Sociology II
	Compulsory Language French
III	Phonetics and Phonology
	Nineteenth Century Poetry & Drama
	Nineteenth Century Prose & Fiction
	Twentieth Century Poetry and Drama
	Introduction to Sociology-III
	French: Compulsory Language
IV	20th Century Prose & Fiction
	Modern English Usage & Language-II
	Indian Writing in English-I
	Indian Writing in English-II
	Elective : Introduction to Sociology-IV
	Compulsory Language French
V	American Literature
	New Literatures
	Major Philosophical Trends
	World Classics in Translation
	Environmental Studies
VI	Indian and Western Poetics
	Regional Literature in Translation
	Critical Theories
	Introduction to Language and Linguistics
	Dissertation

M.A. English (MAENG)

This programme will provide opportunities for a career in multiple industries including publishing house, advertising marketing, education and media.

Course offered in M.A. English (MAENG)

Semester		Course Title
I		Modern English Usages and Grammar
		Chaucer to Elizabethans
		Metaphysicals to Milton
		Augustans & Neo Clasical Writers
II		Pre-Romantics and Romantics
		Phonetics and Spoken English
		Literary Criticism - I
		Victorian Literature
III		Linguistics & Applied Linguistics
		American Literature
		World Literature
		Modern British Literature
IV		Stylistics , Discourse Analysis & Pragmatics
		Indian English Literature
		Modern British Literature -II
		Critical Theory - II
		Dissertation

M.Phil. (M. Phil.)

This program aims to help the students to develop ability to organise ideas and present them coherently with a considerable degree of sophistication in keeping with the norms of scholarly research and writing.

Course offered in M.Phil. (M. Phil.)

Year		Course Title
I		Critical approaches to Language and Literature
		Application of Literary Theories
		Dissertation

JAIPUR NATIONAL UNIVERSITY

School of Agriculture Sciences

The school provides an exemplary education that balances the expectations of the industry and academic input.

The goal of this programme is to inculcate scientific methods and equipment to bring about positive changes in existing agricultural techniques. The course will include land surveying, animal management, biotechnology, soil sciences, and water resource management.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B. Sc. (Hons.) Agriculture	4 Years	10+2 Science/Agriculture and JET Appeared	Merit + PI

B. Sc. (Hons.) Agriculture (BAG)

While pursuing this programme students will study Agriculture (Agronomy), Veterinary Science, Forestry, Fisheries, Horticulture, Home Science, and more. After completing this programme students will be eligible to work in the agricultural field and drive real change in the arena.

Course offered in B. Sc. (Hons.) Agriculture (BAG)

Semester	Course Title
I	Fundamentals of Horticulture
	Fundamentals of Genetics
	Fundamentals of Soil Science
	Agricultural Microbiology
	Comprehension & Communication Skills in English
	Fundamentals of Agronomy
	Introductory Biology*/Elementary Mathematics*
	Agricultural Heritage*
	Rural Sociology & Educational Psychology
	Human Values & Ethics (non credit)
	NSS/NCC/Physical Education & Yoga Practices**
II	Fundamentals of Plant Biochemistry and Biotechnology
	Introduction to Forestry
	Soil and Water Conservation Engineering
	Fundamentals of Crop Physiology
	Fundamentals of Agricultural Economics
	Fundamentals of Plant Pathology
	Fundamentals of Entomology
	Fundamentals of Agricultural Extension Education
	Communication Skills and Personality Development
III	Crop Production Technology – I (*Kharif Crops*)
	Fundamentals of Plant Breeding
	Agricultural Finance and Cooperation
	Agri- Informatics
	Farm Machinery and Power
	Production Technology for Vegetables and Spices
	Environmental Studies and Disaster Management
	Statistical Methods
	Livestock and Poultry Management
IV	Crop Production Technology – I (*Kharif Crops*)
	Production Technology for Ornamental Crops, MAP and Landscaping
	Renewable Energy and Green Technology
	Problematic Soils and their Management
	Production Technology for Fruit and Plantation Crops
	Principles of Seed Technology
	Farming System & Sustainable Agriculture
	Agricultural Marketing Trade & Prices
	Introductory Agro-meteorology & Climate Change
	Elective Course

Semester		Course Title
V		Principles of Integrated Pest and Disease Management
		Manures, Fertilizers and Soil Fertility Management
		Pests of Crops and Stored Grain and their Management
		Diseases of Field and Horticultural Crops and their Management -I
		Crop Improvement-I *(Kharif Crops)*
		Entrepreneurship Development and Business Communication
		Geoinformatics and Nano-technology and Precision Farming
		Practical Crop Production – I (*Kharif* crops)
		Intellectual Property Rights
		Elective Course
VI		Rainfed Agriculture & Watershed Management
		Protected Cultivation and Secondary Agriculture
		Diseases of Field and Horticultural Crops and their Management-II
		Post-harvest Management and Value Addition of Fruits and Vegetables
		Management of Beneficial Insects
		Crop Improvement-II *(Rabi crops)*
		Practical Crop Production –II (*Rabi* crops)
		Principles of Organic Farming
		Farm Management, Production & Resource Economics
		Principles of Food Science and Nutrition
		Elective Course
VII		General orientation & On campus training by different faculties
		Village attachment
		Unit attachment in Univ./ College. KVK/ Research Station Attachment
		Plant clinic
		Agro-Industrial Attachment
		Project Report Preparation, Presentation and Evaluation
		General orientation & On campus training by different faculties
		Village attachment
		Unit attachment in Univ./ College. KVK/ Research Station Attachment
VIII		Production Technology for Bioagents and Biofertilizer
		Seed Production and Technology
		Mushroom Cultivation Technology
		Soil, Plant, Water and Seed Testing
		Commercial Beekeeping
		Poultry Production Technology
		Commercial Horticulture
		Floriculture and Landscaping
		Food Processing
		Agriculture Waste Management
		Organic Production Technology
		Commercial Sericulture

JAIPUR NATIONAL UNIVERSITY

School of Fashion Design

The fashion designer is the inspiration for creative ideas and new trends for clothing, fabric development and accessories. The degree in Fashion Design provides the technical and professional knowledge and capabilities to work as a fashion designer and fashion product developer for the global fashion industry.

Programme Structure

Programme	Duration	Eligibility Criteria	Selection Procedure
Bachelor of Design - Fashion Design	4 Years	10+2 pass	Merit and PI
Diploma in Fashion Design	1 Year	10+2 pass	Merit and PI
MBA Fashion Design	2 Years	Graduation in the relevant field	ET + PI

Bachelor of Design - Fashion Design (B. Des. FD)
The program will equip the students with the skills necessary to create fashion from the initial vision, through hand sketching of the design, to draping pattern creation, sewing and execution of the finished product. The curriculum is designed to develop skills so as to respond to changing needs of the fashion industry. Each student is required to prepare a portfolio and selected collection of work will be showcased to people from industry and academia at a graduate runway.

Courses offered in Bachelor of Design - Fashion Design (B. Des. FD) Programme

Semester	Course Title
I	Fashion Studies
	Sustainable Design (Environmental Studies)
	Communication Skills
	Basic Of fashion Design
	Visualization & Representation-I
	Material Exploration-I
	Computer Application
II	Textile Science
	Western Art Appreciation
	Visualization & Representation-II
	Material Exploration-II
	Digital Design-I
	Fabric Construction
III	History of Western Costume
	Draping-I
	Fashion Illustration-I
	Pattern Making-I
	Garment Construction-I
	Basics of Embroideries and manipulation
IV	Business of fashion
	Draping-II
	Design Process-I
	Fashion Illustration-II
	Pattern Making-II
	Garment Construction-II
	Digital Design-II

Semester	Course Title
V	Indian art and Costume appreciation
	Research Method
	Merchandising Production Methods
	Surface Ornamentation-I
	Fashion Illustration-III
	Pattern Making & garment construction III
	Draping-III
VI	Professional Practices
	Fashion Forecasting
	Surface Ornamentation-II
	Fashion Illustration-IV
	Pattern Making & garment construction IV
	Design Process-II
VII	Visual Merchandising
	Elective-I (Any one) 1. Business of Luxury Fashion 2. Couture Design 3. Fashion Advertisement
	Portfolio Development - I
	Fashion Accessories
	Visual Merchandising
VIII	Elective –II (Any One) 1. Fashion Photography 2. Fashion Styling
	Final Design Collection/Dissertation/ Graduation Project

Courses offered in Diploma in Design Programme

Semester		Course Title
I		Basic of Fashion
		COMMUNICATION SKILL
		Computer Application
		Fashion Illustration
		Pattern Making & Construction-I
		Basic of Design
		Surface ornamentation
II		Merchandising production Methods
		Theory of Textile
		Draping
		Fashion Illustration -II
		Digital Design
		Pattern Making & Construction-II
		Material exploration

MBA Fashion Design (MBA-FM)

It is a specialised program of business administration for fashion management

Semester		Course Title
I		Business Communication
		Business Environment
		Principles And Practices Of Management
		Organizational Behavior
		Introduction Of Global Fashion Industry
		Fabric Knowledge
		Computer Application In Fashion Management
II		Research Methodology
		Management Accounting I
		Marketing Management
		Operation And Production Management
		Human Resource Management
		Study Of Garment Manufacturing
		Design Process And Design Thinking
III		Strategic Management
		Management Accounting I
		Customer Relationship Management
		Fashion Forecasting
		Product Development
		Merchandising And Production Methods
		Summer Internship Project
IV		Entrepreneurship And Development
		Visual Merchandising
		Project Management
		Retail Management
		Advertising And Branding
		Summer Internship Project

Bachelor of Physiotherapy (BPT)

At the undergraduate level, the School of Allied Health Sciences offers a degree programme in Bachelor of Physiotherapy (BPT). It is one of the best Physiotherapy colleges in Jaipur, having state of art infrastructure.

Course offered in Bachelor of Physiotherapy (BPT)

Semester	Course Title
I	Human Anatomy-I
	Human Anatomy-I
	Human Physiology-I
	Human Physiology-I
	Fundamentals of Biomechanics & Exercise Therapy (BOP-I)
	Fundamentals of Biomechanics & Exercise Therapy (BOP-I)
	Fundamentals of Biomedical Physics (BOP-II)
	Fundamentals of Biomedical Physics (BOP-II)
	Biochemistry
II	Human Anatomy-II
	Human Anatomy-II
	Human Physiology-II
	Human Physiology-II
	Exercise Therapy-I
	Exercise Therapy-I
	Electrotherapy-I
	Electrotherapy-I
	Sociology & Psychology
III	Pharmacology
	Pathology & Microbiology
	Exercise Therapy-II
	Exercise Therapy-II
	Electrotherapy-II
	Electrotherapy-II
	Basics of First Aid & Critical Care
	Basics of First Aid & Critical Care
IV	General Medicine
	General Surgery
	Community Medicine
	Biomechanics & Kinesiology-I
	Biomechanics & Kinesiology-I
	Ethics & Administration
v	Clinical Orthopedics
	Clinical Neurology & Psychiatry
	Clinical Cardiorespiratory Conditions
	Biomechanics & Kinesiology-II
	Biomechanics & Kinesiology-II
	Community Based Rehabilitation
VI	Clinical Obstetrics, Gynaecology & Pediatrics
	Physiotherapy in Surgery & Hand
	Physiotherapy in Surgery & Hand
	Bioengineering
	Physiotherapy in Medicine & Geriatric Conditions
	Physiotherapy in Medicine & Geriatric Conditions
	Physiotherapy in Sports Fitness & Allied Therapeutics
	Physiotherapy in Sports Fitness & Allied Therapeutics
VII	Physiotherapy in Orthopedic Conditions-I
	Physiotherapy in Neurological Conditions-I
	Physiotherapy in Neurological Conditions-I
	Physiotherapy in Obstetrics, Gynacology & Pediatrics
	Advanced Physical & Functional Diagnosis
	Biostatistics & Research Methodology
VIII	Physiotherapy in Orthopedic Conditions-II
	Physiotherapy in Orthopedic Conditions-II
	Physiotherapy in Neurological Conditions-II
	Physiotherapy in Neurological Conditions-II
	Physiotherapy in Cardiorespiratory Conditions
	Physiotherapy in Cardiorespiratory Conditions
	Eclectic Approaches in Physiotherapy Conditions

Master of Physiotherapy (MPT)

MPT provides specialisation in (Neurology & Psychosomatic Disorders, Ortho & Sports, Ortho & Manual therapy)

Semester	Course Title
I	Basic Medical Sciences
	Research Methodology & Biostatics
	Basics of Exercise Physiology & Nutrition
	Electrotherapeutics & Electrophysiology
	Seminar and Clinical Topics
II	Biomechanics & kinesiology-i
	Ethics, principles, management & educational methodology in physiotherapy
	Physical & functional diagnosis
	Seminar on clinical topics
III	Biomechanics & kinesiology-ii (theory)
	Rehabilitation in physiotherapy conditions (orthopedics & sports)–i (orthopedics & manual therapy) –i (neurology&psychosomatic disorders) –i- theory
	Rehabilitation in physiotherapy conditions (orthopedics & sports)–i (orthopedics & manual therapy) –i (neurology & psychosomatic disorders) –i- practical
IV	Rehabilitation in physiotherapy conditions (orthopedics & sports)–ii (orthopedics & manual therapy) –ii
	(neurology & psychosomatic disorders) –ii- theory
	Rehabilitation in physiotherapy conditions (orthopedics & sports)–ii (orthopedics & manual therapy) –ii
	(neurology & psychosomatic disorders) –ii- practical
	Dissertation on a research topic
	Clinical Posting

School of Allied Health Sciences

The allied health field provides numerous opportunities to our graduates to fill up niche areas of medical services that are always in high demand. Our graduates learn to help prevent, diagnose, and treat various ailments and make a positive difference in the lives of their patients through care, compassion, and meaningful intervention. These healthcare professionals support physicians by taking care of patients at various hospitals, community settings, laboratories, and research institutions.

PROGRAMME STRUCTURE			
PROGRAMME	**DURATION**	**ELIGIBILITY**	**SELECTION CRITERIA**
BPT	4 Years	Min.50% In 10+2 With PCB	ET+PI
MPT	2 Years	BPT With Min 50%	ET+PI
B.Sc. Clinical Dietetics	3 Years	Min.50% In 10+2 With PCB	ET+PI
B.Sc. MLT (Including 1 Year Hospital Training)	4 Years	Min.50% In 10+2 With PCB	ET+PI
M.Sc. Medical Science (Anatomy/ Microbiology)	3 Years	B.Sc. PCB/ MBBS/ BDS/ BAMS/ BHMS/ BPT/B.Pharm./B.Sc. Nursing/BVSc & AH	Merit + PI

JAIPUR NATIONAL UNIVERSITY

B. Sc. Clinical Dietetics (BCD)

Semester	Course Title
I	Computers Fundamentals
	Fundamentals of Biochemistry
	General Microbiology
	Basic Nutrition
	Basic Dietetics
	Professional communication skills*
	General Microbiology Lab
	Fundamentals of Biochemistry Lab
	Computer Fundamentals Lab
II	Clinical Nutrition
	Vitamin and Mineral Nutrients
	Basic Molecular Biology
	Family Meal Management
	Human Anatomy and Physiology I
	Human Anatomy & Physiology II
	Basic Nutrition Lab
	Basic Molecular Biology Lab
	Human Anatomy and Physiology Lab
III	Therapeutic Nutrition
	Nutritional Biochemistry
	Community Nutrition
	Food Commodities I
	Human Anatomy and Physiology III
	Therapeutic Nutrition Lab
	Community Nutrition Lab
	Human Physiology II Lab
	Nutritional Biochemistry Lab
IV	Food Microbiology, Sanitation and Hygiene
	Food Commodities II
	Food Preservation
	Preventive Nutrition
	Human Anatomy & Physiology IV
	Food Microbiology Lab
	Food Commodities Lab
	Food preservation Lab
	Human Physiology Lab- III
V	Food Fortification
	Food Toxicology and safety
	Food Adulteration
	Food Service Management
	Research Methodology and Statistics
	Food Analysis Lab
	Food service management Lab
	Food Science Lab (Food adulteration + Food Safety)
VI	Environmental studies*
	Nutrition in Special Conditions
	6 month project & On The Job Training

B. Sc. Medical Lab Technology (BMLT)

Semester	Course Title
I	Computer Fundamentals
	Basic Biochemistry-I
	General Microbiology
	Basic Pathology-I
	Human Anatomy & Physiology-I
	*Professional Communication Skills
	General Microbiology Lab.
	Basic Biochemistry-I Lab.
	Computer Fundamentals Lab.
	Basic pathology-I Lab.
	Human Anatomy & physiology-I lab
II	Basic Pathology-II
	Basic Biochemistry-II
	Microbial Techniques
	Human Anatomy & Physiology-II
	Practical 1 (BMLT-201)
	Practical 2 (BMLT-202)
	Practical 3 (BMLT-203)
	Practical 4 (BMLT-204)
III	Clinical Hematology
	Metabolic & Blood Biochemistry
	Bacterial Pathogens & Associated Diseases
	Immunology
	Preventive Medicine & Health Care
	Practical 1 (BMLT-301)
	Practical 2 (BMLT-302)
	Practical 3 (BMLT-303 & BMLT-304)
IV	Histopathological Techniques
	Biochemical & Biophysical Techniques
	Pathogenic Viruses
	Clinical Pathology
	Practical 1 (BMLT-401)
	Practical 2 (BMLT-402)
	Practical 3 (BMLT-403)
	Practical 4 (BMLT-404)
V	Blood Banking & Transfusion Medicine
	Diagnostic Enzymes & Vitamins
	Clinical Mycology
	Biostatistics
	Practical 1 (BMLT-501)
	Practical 2 (BMLT-502)
	Practical 3 (BMLT-503)

Semester	Course Title
VI	Histo & Cytopathological Techniques
	Hormones & Disorders
	Clinical Parasitology
	Research Methodology
	*Environmental Studies and Disaster Management
	Practical 1 (BMLT-601)
	Practical 2 (BMLT-602)
	Practical 3 (BMLT-603)
	Clinical visit
VII	Immunopathology
	Advance Biochemical Techniques
	Advance Microbial Techniques
	Entrepreneurship & Quality Laboratory Management
	Medical Jurisprudence
	Practical 1 (BMLT-701)
	Practical 2 (BMLT-702)
	Practical 3 (BMLT-703)
VIII	Six Month's Training with An Analytical Project)

M.Sc. Medical Anatomy (MANM)

M. Sc Medical Anatomy is a 2-year post graduate degree program, the minimum eligibility is a B.Sc. Anatomy or any related discipline from a recognized institute or its equivalent exam.

Course offered in M.Sc. Medical Anatomy (MANM)

Semester	Course Title
I	Basics of Anatomy
	Basics of Physiology
	Basics of Biochemistry
	General Anatomy, Gross Anatomy with Applied aspects
	General & Systemic-Embryology including growth, development and Teratology, General & Systemic-Histology, Comparative Anatomy and Anthropology.
	Neuroanatomy, Histological, museum and embalming techniques including medico legal aspects, Human Genetics.

M.Sc. Medical Microbiology (MMBM)

The course offered at one of the best MSc Medical Microbiology colleges in Jaipur aims to provide knowledge of medical microbiology that includes microorganisms, diagnosis, disease causation and treatment of pathogens to advanced practical training and major significance to public health.

Course offered in M.Sc. Medical Microbiology (MMBM)

Semester	Course Title
II	Basics of Anatomy
	Basics of Physiology
	Basics of Biochemistry
	General microbiology and Immunology.
	Systemic Bacteriology and Parasitology.
	Mycology and Virology

DMLT (as per State Govt.)

Year/Semester	Course Name
I Year	Communication Skills in English
	Computer Application
	Anatomy and Physiology
	Hematology and Blood Banking
	Clinical Pathology
	Clinical Practical Training
	MLT Instruments Practice Lab-1
	Hospital Industrial Training
II Year	Entrepreneurship and Professional Management
	Environmental Studies
	Microbiology including Parasitology and Immunology
	Pathology
	Biochemistry
	Clinical Practical Training-II
	MLT Instruments Practice Lab-II
	Hospital Industrial Training

Courses offered in B. Sc. Nursing (BN) Programme

Years	Course Title
I	Anatomy and Physiology
	Nutrition and Biochemistry
	Nursing Foundation
	Psychology
	Microbiology
	English
	Hindi
	Introduction to Computer
	Nursing Foundation (Pr.)
II	Sociology
	Medical Surgical Nursing – I
	Pharmacology, Pathology and Genetics
	Community Health Nursing - I
	Communication and Education Technology
	Medical Surgical Nursing – I (Pr.)
III	Medical Surgical Nursing-II
	Child Health Nursing
	Mental Health Nursing
	Nursing Research and Statistics
	Medical Surgical Nursing-II (Pr.)
	Child Health Nursing (Pr.)
	Mental Health Nursing (Pr.)
IV	Midwifery and Obstetrical Nursing
	Community Health Nursing - II
	Management of Nursing Services and Education
	Environmental Sciences
	Midwifery and Obstetrical Nursing (Pr.)
	Community Health Nursing - II (Pr.)

Seedling School of Nursing

Nursing, a blend of art and science a profession focused on the autonomous and collaborative care of mankind. It needs to be geared up to meet the growing healthcare needs of the people in the changing environment of advancing technology and rapid scientific progress. Bachelor of Nursing program gives an opportunity to develop the knowledge, skills and ethical behaviour that enables oneself to practice as a competent nurse, clinician and for other health care services. Students after graduation can be absorbed in the healthcare sector to provide person specific medical care.

Academics

Provide training to nurses to provide expert health care at homes and hospitals.

Provide opportunities for personality development and inculcate a sense of responsibility and integration of health and social aspects.

Develop leadership qualities in an individual to be a part of the workforce for managing hospitals.

Affiliations and Collaborations

School of Nursing of 'Jaipur National University' is recognized by the Government of Rajasthan and functions as per the norms prescribed by Indian Nursing Council. The school has collaboration with speciality hospitals like Fortis, Escorts Hospital and Apex Hospital Jaipur for training its students. The annual intake of students in the school is forty.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
B.Sc. Nursing	4 Years	Min. 50% in 10+2 with Physics/Chemistry/ Biology & English	Entrance Test + Interview

B.Sc. Nursing (BN)

B.Sc. Nursing, Offered by School of Nursing, is a four-year professional programme. This programme is registered with and controlled by Indian Nursing Council.

JAIPUR NATIONAL UNIVERSITY

Institute of Medical Sciences and Research Centre

Upcoming Medical College and 1000 Beds Hospital at Jagatpura, Jaipur. Jaipur National University has made niche for itself in the Country because of its commitment to providing quality education and conductive learning environment. Always sighting into new possibilities and raising its aspirations, the University is venturing into the field of Medical Education and Research. Here the University aspire to set a benchmark not only for medical education but also for treatment of patients by its state of the art 1000 bedded Multi-speciality Hospital.

Programme Structure			
Programme	**Duration**	**Eligibility Criteria**	**Selection Procedure**
Bachelor of Medicine & Bachelor of Surgery	4.5 Years	As per MCI Norms	Through MCI - ET & Counselling

AN	Anatomy
PY	Physiology
BI	Biochemistry
PH	Pharmacology
PA	Pathology
MI	Microbiology
FM	Forensic Medicine
CM	Community Medicine
IM	General Medicine
CT	Respiratory Medicine
PE	Pediatrics
PS	Psychiatry
DR	Dermatology, Venerology, Leprosy
SU	General Surgery
OP	Ophthalmology
EN	ENT,
OG	Obstetrics & Gynaecology
OR	Orthopedics
AS	Anaesthesia
RD	Radiodiagnosis
RT	Radiotherapy
DE	Dentistry
BI	Biochemistry

Academic Calendar 2017 – 2018

I/III/V/VII Semester Academic Calendar (Odd Semester July – December)

S. No	Events	I Sem	III Sem	V Sem	VII Sem
1.	Commencement of Classes	05 Aug 2017 Saturday	05 July 2017 Wednesday	17 July,2017 Monday	
2.	Mid Term Test -I	32 Working Days	59 Working Days	54 Working Days	
		18-21 September 2017 (Monday- Thursday)			
3.	Technorozz - 2016	9-11 Nov. 2017 (Thursday- Saturday)			
4.	Mid Term Practical	24 – 30 Oct.2017 (Tuesday –Monday)			
5.	Mid Term Test -II	20-23 Nov.2017(Monday-Thursday) (After 39 working days from Mid Term – I)			
6.	Preparation Leave	24-30 Nov. 2017(Friday – Thursday)			
7.	End Sem Theory Examinations	01 – 1 December 2017 Friday-Saturday)			
8.	End Sem Practical Exam	18- 21 Dec.2017 (Monday- Thursday) 03-04 January 2018(Wednesday- Thursday)			
9.	Winter Semester Break	22 December2017-01 January2018(Wednesday-Thursday)			

II/IV/VI/VIII Semester Academic Calendar (Even Semester Jan. - May)

S.No	Events	II Sem	IV Sem	VI Sem	VIII Sem
1.	Commencement of Classes	05 January 2017(Thursday)			
2.	Convocation-2017	17 February 2018 (Saturday)			
3.	Mid Term Test -I	40 Working Days			
		23,24,26,27 February 2018(Friday-Tuesday)			
4.	Mid Term Practical	5-10 March 2018(Monday-Saturday)			
5.	Mid Term Test -II	16-19 April 2018 (Monday-Thursday)			
6.	End Sem Practical Exam	27Aprial 2018-03 May 2018 (Thursday-Wednesday)			
7.	Preparation Leave	04-10 May 2018 (Friday-`Thursday)			
8.	End Sem Theory Examinations	11-29 May 2018(Friday-Tuesday)			

Cultural Panorama of
Jaipur National University











JAIPUR NATIONAL UNIVERSITY

Near New RTO Office, Jagatpura, Jaipur-302017 | Ph: 0141-2754399, 2753377
Mob.: 9351288101 | Email: info@jnujaipur.ac.in, seedlingacademy@hotmail.com
www.jnujaipur.ac.in