









YOUR DREAMS. YOUR GOALS. YOUR UNIVERSITY.

Business | Hospitality | Culinary Arts Pharmacy | Health Sciences Basic Sciences | Education



Study at Chitkara University and really go places

Whatever the dream, Chitkara University can help you get there. Chitkara University offers a world of learning opportunities that will help you reach your goals.

Opportunities to get placed at one of the 1500+
companies that visit our campus for recruitment.

Learn from outstanding faculty at our state-of-the-art teaching facilities. Choose from our varied industry endorsed programs. And meet other students with dreams as big as yours.

Excellence is our bottom line



STRONG ACADEMIC HERITAGE

Dr. MADHU CHITKARAPRO CHANCELLOR CHITKARA UNIVERSITY

Chitkara Education brings with it a reputation that has been earned through years of serving the career-needs of the student community.

It has a reputation for excellence and innovation among coveted employers for preparing graduates who have the knowledge and skills they need for success in their workplace.

There are many reasons to choose Chitkara University. Our graduates go on to great careers, we're hands-on and responsive in our teaching, we provide a great environment to study and our research is world-class.



The learning environment at CHITKARA UNIVERSITY represents a unique blend of distinguished faculty, brilliant & intellectual students with a proactive collaboration with industry.

WELCOME TO CHITKARA UNIVERSITY PUNJAB

Chitkara Educational Trust established its Punjab campus in the year 2002 on Chandigarh-Patiala national highway which is 30km from Chandigarh. In the year 2010, Chitkara University was established by the Punjab State Legislature under "The Chitkara University Act".

Chitkara University is a government recognised University with the right to confer degrees as per the Sections 2(f) and 22(1) of the UGC Act. 1956. Chitkara University, Punjab, is a multi-discipline student centric campus with more than 10,000 students.

Small World

Whether you are a Bachelor's student, Master student or taking part in one of our Exchange Programs, we make sure you feel right at home with us. Chitkara University provides a specially safe and serene setting for studies. Students get to enjoy the changing seasons and are able to grow personally as well as professionally.

At Chitkara University, Education is not only "State-of-the-art" but truly "State-of-the-heart". Everything we do shares the same mindset.

We are passionate about what we do and we hope you will become a part of our family.

Cleared for launch

Any good roadmap to success requires that you know where you are going – and also where you have been. The third element is momentum.

In accordance with Chitkara University strategy, we allocate more and more resources to excellence in teaching and learning.

Our approach at Chitkara University is learningcentric, enhancing knowledge, skills and understanding through practical exposure.

Today, we have impressive world-wide collaboration agreements with top International Universities and research institutions which is helping us train Chitkara University students for the new global economy.

We strongly believe that we are creating the right kind of future for the professionals of tomorrow who we are educating today.

Industry-led Courses

Chitkara University offers a learning experience that improves your employment prospects. We maintain close links with leading blue-chip companies and professional associations to deliver most of our academic programs. Through these alliances we stay in touch with industry, ensuring that our courses are relevant, practical and deliver the skills in demand allowing our graduates to hit the ground running.

Strong corporate relationships also have a direct influence on our degree programs and have resulted in our "industry facing" curricula. This ensures that our education is up to date and valued by the future employers of our alumni.

Great Campus Recruitment

Chitkara University has established an unassailable reputation for strong campus recruitment on the sheer virtue of our intensive focus on making all our graduates "industry ready".

Start Me Up

The possibility to combine business and technology in their studies gives our students unique opportunities to build their future careers, be it through top-class companies or capitalising on their own innovations in order to create new businesses.

Think of it as your own, personal launch pad.

The UNIVERSITY with one of the highest number of PATENTS in the country

- 250+ Patents
- Joint research projects with Global Universities
- One of the largest University grants' recipient for the European Commission Erasmus+ Programe







the largest incubator in North India with more than start-ups

**** HIGHLY

FOR OUR WORLD-CLASS, FACILITIES **TEACHING &** RESEARCH





Ranked as one of the **Cleanest Universities** of India in the **'SWACHHTA'** ranking





WELCOME TO CHITKARA UNIVERSITY HIMACHAL PRADESH

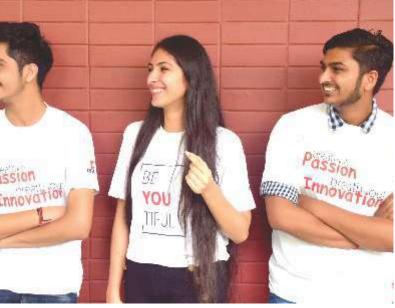
Chitkara University was established in the year 2008 by the Himachal Pradesh State Legislature under the "Chitkara University Act". Chitkara University is a government recognised University with the right to confer degrees as per the Sections 2f and 22(1) of the UGC Act, 1956 and is included in the list of universities maintained by the University Grants Commission.

Our 17 acres campus located at Atal Shiksha Kunj in Barotiwala is 32km from Chandigarh and 12km from Pinjore. It currently has more than 4000 full time students and over 300 faculty.

FOR THE ACADEMIC YEAR 2020, CHITKARA UNIVERSITY IN HIMACHAL PRADESH IS OFFERING ACADEMIC PROGRAMS IN THE FIELDS OF

ENGINEERING | INFORMATION TECHNOLOGY
BUSINESS | NURSING | PHARMACY | HOSPITALITY

















COUNTED AMONG THE BEST



Chitkara University has once again been ranked among the Nation's Best in the 2019 NIRF Ranking



Data Quest has awarded Chitkara University as 'Outstanding University with Highest Campus Recruitment 2019'



Outlook-ICARE India Rankings 2019 ranked Chitkara University highly among the Top 50 Private State Universities list



The Week-Hansa Research Survey 2019 ranked Chitkara University 6th among Non-Government Multi-Disciplinary Universities in North Zone'



India Today has consistently ranked Chitkara University among the best in the country



Careers 360 has counted Chitkara University as one of the best in the North Region.

LEARN THE CHITKARA WAY

One-on-one discussions with the professors make the classes interesting and interactive. The faculty is very helpful and approachable at all times – even for the slightest of doubts. We have lot of group projects and presentations which help students in team-building, understanding and bonding with classmates.



GRADUATE WITH A HOLISTIC SKILL SET

Our holistic educational approach is designed with an intensive focus to equip you with a complete skill set package comprising of hard knowledge skills, soft people skills and 'heart' skills. You will be equipped with both; depth and breadth of knowledge. You will be transformed into a well-rounded individual, and become a valuable asset to your future employer and society at large.



Hard knowledge
skills
(specific to your
chosen track of study)



Soft people skills (analytical thinking, problem solving, communication, presentation, leadership and team-building)



'Heart skills' (ethical and social responsibility)

LEARN FROM THE BEST MINDS

Tradition of Teaching Excellence

Chitkara University faculty members are explorers and discoverers, seeking new ideas and insights at the frontiers of knowledge. They are internationally recognised leaders in the study of the economic, social, political, and technological forces shaping the world today.

The faculty at Chitkara University includes people from core academics having vast experience in academics and industry. Among our talented faculty, you meet academic scholars with doctorate degrees, experts from Industry and authors of important texts in all fields. Our faculty enjoy a good reputation and strong relations with leading industrial houses in terms of consultancy and research work.

Chitkara University faculty members play an active role in national and international business & research communities, serving as consultants, board members, and speakers at major conferences and seminars.

With serious students and talented teachers, you will become a stakeholder in pursuit of purposeful learning and experience. Faculty at Chitkara University is striving hard to impart best of professional experience to students through its fast growing & challenging academic environment.





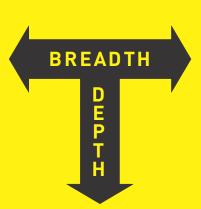
A RIGOROUS, FLEXIBLE CURRICULUM

PREPARES YOU FOR EVERY KIND OF LEADERSHIP CHALLENGE

Hands-on and interactive learning means classes are never dull. Theories are brought to life, and you learn by experiencing them.

Classes incorporate activities such as simulations and problem sets conducted in the format of mini lectures, video lecturettes, small group recitations, hands-on demos, designettes and concept quizzes to cement the understanding of different concepts in a subject.

The interactive sessions foster collaborative learning to help you enjoy and better understand concepts that are traditionally viewed as difficult. Reallife examples are demonstrated regularly.



FOUNDATION COURSES	UNIVERSITY CORE	GLOBAL STUDIES	SPECIALISATION
TECHNOLOGY STUDIES	ENTREPRENEURSHIP	CRITICAL THINKING	GENERAL EDUCATION

OUR PEDAGOGY

Our degree programs prepare students for the real world and offer the opportunity for practical, hands-on experience, internships and projects. Take advantage of this experience to gain the practical skills employers are looking for and open yourself to career opportunities. Academics at Chitkara University keep pace with workplace demands and ensure that students are "industry ready" and in touch with what's expected in a professional environment.

Academic Excellence

Our academic programs enjoy a great reputation in the industry. To maintain our leadership position, we focus on inducting the best faculty from across the industry and academia. Our faculty is known for its strong academic orientation contributing to the creation of knowledge in a dynamic, ever changing environment. Classes are built around experiential learning where students are constantly encouraged to take conceptual framework and apply them. Teaching methods include lectures and tutorials that emphasise a learner-centered approach and application of knowledge. Faculty bring their rich experience into the classroom to enrich the learning process and ensure that the coursework reflects current industry practices.

Problem Based Learning (PBL)

Some of our courses are taught using the PBL approach where students apply their knowledge to solve problems they may encounter in a professional context and in doing so extend their experience beyond text books. Elements of real-life work scenario are brought into the classroom by the PBL approach. Students undertake a series of tasks that bring industry problems into the academic environment.

Applied & Project Based Learning

Applied learning is a hallmark of all teaching at Chitkara University. We believe that the best way to learn is by "doing" and that's why we emphasise a hands-on approach. We lay stress on project based learning, thus, encouraging the need for independent thinking and creativity among students, resulting in interesting and novel projects. Further, a significant increase in the open category credits enables students to have a broad base, pursue interests and adopt a multi-disciplinary approach.

Specialisation Options

In every program, further specialisation and electives are offered in the final year of the study. To help a student in this task, various tracks have been identified through our curriculum geared towards a variety of specialisations. Our goal is to prepare students for a satisfying career. Following a particular curricular track will equip the students with the skills required for progressing further in the chosen career track.

Faculty

Chitkara University boasts of strong faculty with Masters and Doctorate degrees in different specialisations with appropriate academic and research bent of mind. The entire faculty has been drawn from leading academic institutions and corporations from across the country with years of teaching and research experience. Our faculty enjoy a good reputation and strong relations with leading industrial houses in terms of consultancy and research work. Our faculty not only focus on conceptual understanding of various academic concepts but also give first-hand experience to all students through role plays, experiential learning exercises, industrial visits and classroom lectures.

Guest Lectures

Guest lectures are regularly organised by eminent industry experts, entrepreneurs and HR managers from large and medium-sized companies to keep students abreast with latest trends and information.

OUR INDUSTRY PARTNERSHIPS

Chitkara University maintains close links with leading corporations and professional associations to deliver most of our professional programs. Through these alliances we stay in touch with the industry, ensuring that our courses are relevant, practical and deliver the skills in demand allowing our graduates to hit the ground running. Some of our leading industry collaborations are:

FOR ENGINEERING PROGRAMS









































































FOR BUSINESS | HEALTHCARE PROGRAMS













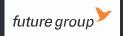
























1500+ Campus Recruiters

of Chitkara Graduates are Employed within months of Graduation

of Chitkara Graduates are paid higher than the market average

of Chitkara Graduates get a job offer before they Graduate

OUR CAMPUS RECRUITERS

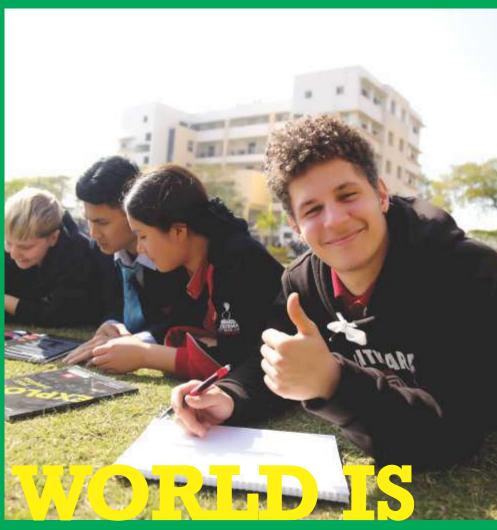
Since inception, Chitkara University has had a path breaking recruitment record for graduates from various academic programs. Some of the prominent recruiters on campus are:





Live independently. Gain cultural awareness. Expand your social network to span the globe. Make new friends who may become your future business collaborators in an increasingly interconnected world.

Learn in a classroom on a different continent.
Experience working in the real world, around the world.
Lend a hand to those in need.
There are so many new experiences awaiting you at Chitkara University.



INTERNATIONAL STUDENT EXCHANGE PROGRAMS Gain a global perspective

Chitkara University's robust international exchange program with more than 200 overseas universities gives you the opportunity to experience living on your own in a different country. The networks you build and experiences you encounter will give you a more global and culturally sensitive perspective.

SUMMER STUDY PROGRAMS

Immerse in overseas experience

Summer Programs are short duration programs of 2-4 weeks on various specialisations. It adds to the international exposure of the students.

SEMESTER EXCHANGE PROGRAMS

Foster stronger bilateral ties

Chitkara students have option to finish the last half part of their degree programs at our partner Universities.
Students visit Partner
Universities for six months to one year for completing their semesters abroad.

Chitkara University's approach to Global Education rests on the belief that every student needs broad global knowledge and a global mindset. There are many opportunities to globalise your Education.



OVERSEAS STUDY MISSIONS Gain insights from industry leaders

Overseas study missions bring you right into the heart of multinational organisations around the world, giving you current insights on how they function through site visits. You will also go on a networking journey with prominent industry leaders, opening doors to a world of opportunities.

OVERSEAS INTERNSHIPS Step into the global marketplace

Experience for yourself how industries and businesses operate, broaden your perspective and apply your skills and knowledge to realworld business operations.

GLOBAL EXPOSURE

Cultivate empathy and the human touch

We regularly invite faculty from accredited Institutions across the world. The exposure helps our students understand diverse cultural and educational contexts

Global Connections

Some of our Major Global Partners Across the World



EUROPE

UNITED KINGDOM

- London School of Economics and Political Science (LSE)
- University of Hertfordshire, UK
- University of Birmingham
- University of Nottingham
- Glasgow Caledonian University
- Anglia Ruskin University
- University of Central Lancashire (UCLAN)
- University of West of England, Bristol
- The University College London (UCI)
- Nottingham Trent University
- Heriot-Watt University

NETHERLANDS

- Amsterdam University of Applied Sciences
- Fontys University of Applied Sciences
- The Hague University of Applied Sciences

SPAIN

- University of Alicante
- Fundacio Privada Universitat I Technologia
- Universitdad de Jaen
- Universidad Católica San Antonio de Murcia (UCAM)
- Universitat Rovira I Virgili
- Universidad de Huelva

BELGIUM

Saint-Louis University, Brussels

FRANCE

- École pour l'informatique et les nouvelles technologies-EPITECH
- Lycee Emile Combes, Pons
- The Institut Polytechnique des Sciences Avancées, IPSA
- ESIGELEC School of Engineering Rougen
- Ecole Pour L' Informatique Et Les Techniques Avacees- EPITA
- EM Normandie
- Kedge Business School
- Institut D' Etudes Politiques De Toulouse
- Sciences Po Lille
- ISTIA-Universite Angers
- Université Montpellier 2 Sciences et Techniques
- Institut Sup'Biotech de Paris
- ECAM Strasbourg
- France International Graduate Schools (FIGS)
- Institut Supérieur de Gestion
- École supérieure des techniques aéronautiques et de construction automobile (FSTACA)
- Ecole Spéciale de Mécanique et d'Electricité (ESME Sudria)
- Sustainable Development Management Institute
- Ecole De Biologie Industrielle
- EPF Ecole d'ingenieurs (Sceaux)
- Universite De Technilogies De Troves
- Groupe EDH (EFAP, ICART, EFJ)
- IAE Pau Beyonne

GERMANY

- Cologne Business School
- Karlshochschule International University
- Hochschule Osnabruck
 University of Applied Sciences
 Osnabruck
- Duale Hochschule Baden Wurttemberg (DHBW)
- University of Applied Sciences Stuttgart
- Technische Universitat Chemnitz
- Hochschule Emden/LEER

HUNGARY

 Kodolanyi Janos University Of Applied Science

CROATIA

Algebra University College

SWITZERLAND

HTMI

CZECH REPUBLIC

University of Ostrava

FINLAND

- Helsinki Metropolia University of Applied Sciences
- JAMK University of Applied Sciences
- Turku Vocational Institute

PORTUGAL

- Politecnico De Coimbra
- Instituto Superior De Engenharia Do Porto

RUSSIA

ITM0 University

TURKEY

- Abdullah Gul University
- Middle East Technical University
- Istanbul Ayvansaray University
- Altinbas University, Turkey

ALBANIA

University of New York Tirana

BULGARIA

Varna University of Management

NORTH AMERICA

U.S.A

- Central Michigan University
- University of Florida
- Purdue University
- San Diego State University
- University of Massachusetts, Lowell
- Missouri University of Science and Technology
- Northern Illinois University
- Northern Arizona University
- Portland State University
- Regents of the University of California, Irvine
- University of La Verne
- The George Washington University
- The University of California San Diego Extension
- The University of California, Berkeley-Extension
- Pennsylvania College Of Optometry
- Texas Southern University
- California State University
 Monterey Bay
- University of Wisconsin-Parkside
- University of
- Wisconsin-Milwaukee
- Kent State University, USA
- California State University San Marcos
- Southern Illinios University Edwardsville (SIUE)
- St. Thomas University
- San Ignacio University

MEXICO

- Universidad Autónoma del Estado de Hidalgo (UAEH)
- Benemérita Universidad Autónoma de Puebla
- Universidad Popular Autónoma del Estado de Puebla
- Universidad de Guanajuato

GRENADA

Saint George's University,

CANADA

- George Brown College
- British Columbia Institute of Technology
- Kings University College at Western University
- University of Prince Edward Island (UPEI)
- Vancouver Island University
- Georgian College
- Vancouver Film School (VFS)
- Lakehead University
- University of British Columbia
- University of Ottawa
- Medicine Hat College
- Trent University
- Red River College
- York University

SOUTH AMERICA

BRAZIL

- PUCRS
- UNICAMP (University of Campinas)
- The Federal University of Lavras
- Federal University of São João del-Rei

PERU

 Universidad San Ignacio de Loyola (USIL)

AUSTRALIA

- Deakin University
- Edith Cowan University
- Flinders University
- Federation University
- Murdoch University
- Murdoch University
- Griffith University
- James Cook University
- Western Sydney University
- Macquarie University
- Western Sydney University
- University of New Castle

ASIA

JAPAN

- Kindai University
- Gunma University

INDONESIA

- Binus Univesity
- Telkom University
- Airlangga University

THAILAND

- Kasetsart University
- Pathumthani University

PHILIPPINES

- Mapúa University
- Tarloc Agricultural University

CHINA

- Qilu University of Technology
- Zhejiang University of Science & Technology
- Qingdao Technological University
 Qindao College
- University of Nottingham, China

TAIWAN

- China Medical University
- Providence University
- National Tsing Hua University (NTHU)
- National Chi Nan University
- National Chung Cheng University

SOUTH KOREA

- Soongsil University
- Kookmin University
- Korea University (Sejong Campus)
- Kongju National University
- Chung Ang University
- Kyung Hee UniversitySookmyung Women's University
- Shinhan University
- Chonbuk National University
- Kyungpook National University
- Chosun University
- Sangmyung University
- Jungwon University
- Kwangwoon University
- Seoul National University of Science & Technology (SeoulTech)
- Woosong University

MALAYSIA

- HELP University
- Management & Science University (MSU)
- University of Nottingham,
- Heriot-Watt University, Malaysia

DUBAI

- Heriot-Watt University, Dubai
- University of Birmingham, Dubai

AFRICA

SOUTH AFRICA

 Regenesys Business School, Johannesburg





Chitkara Innovation Incubator is one of the largest Government supported incubators in North India with more than 100+ student startups. It is designed to provide aspiring student entrepreneurs with the education, resources and funding to start and expand their businesses.

We have also entrepreneurship elective in all our undergraduate programs which can help turn students business ideas into reality. Student ventures with scalable and commercial potential are given access to high tech office space.

SUPPORTED BY



Department of Science and Technology Ministry of Science and Technology Government of India

















Chitkara Alumni Network has more than 20,000 active members who have been a part of Chitkara University since the year 2002. We have active Alumni chapters across India and in North America, Europe and Australia.

Chitkara University maintains close ties with the alumni and keeps them updated with latest career advice and recruiters connect.

Our graduates can also connect with other Chitkara alumni through the world for business networking and entrepreneurship opportunities.





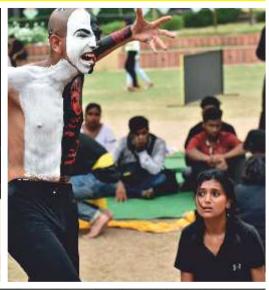


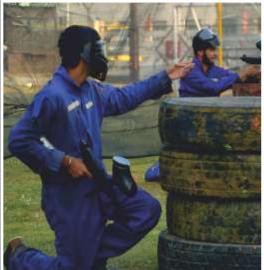




STUDENT LIFE EXCITEMENT REDEFINED



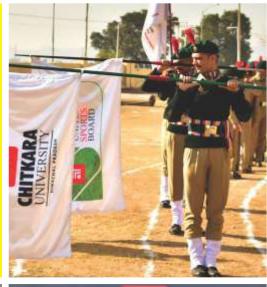








100+ STUDENT CLUBS











There are countless opportunities to get active and involved, engaged and enriched, and we want you to become a part of our diverse community of people who work together to make an impact on the future and have fun in the present. With more than 100+ student clubs and organisations based on a wide range of academic, cultural, and recreational areas of interest, you can find a way to express yourself.

Join, lead, or start your own—the important thing is to participate. Engaging with these organisations builds strong connections with fellow students, provides personal growth, and enhances your Chitkara experience.









CHITKARA SCHOOL OF BASIC & APPLIED SCIENCES

- 3-Year B.Sc (Hons.) in Chemistry
- 2-Year M.Sc (Hons.) in Chemistry
- 3-Year B.Sc in Statistics & Data Analytics
- 3-Year B.Sc (Non Medical)
- in Physics, Chemistry & Mathematics
- 3-Year B.Sc (Hons.)
- in Physics, Mathematics & Electronics









MEASURING THE REAL WORLD

3-Year B.Sc in Chemistry 2-Year M.Sc in Chemistry

Our undergraduate and graduate research programs in Chemistry aim at providing a comprehensive study of various branches of Chemistry to develop a critical and analytical approach to all major areas of the subject. Our programs are for individuals who wish to specialise in the study of composition behaviour structure and properties taught in the field of Chemistry, and further advance their knowledge built on a basic foundation.

Our programs are presented in such a way as to give the students a harmonious view of the important subject of Chemistry followed by the specialisation papers of Organic Chemistry, Analytical Chemistry and Inorganic Chemistry. Students will be prepared for fulfilling careers in research and development through deep research and exploration that widens the student knowledge in specific branches of Chemistry

The course has been designed to have insight in almost all the aspects of Chemistry and to build a solid foundation in the subject to choose a career in industry/academics or research. Also, the course provides a good measure of flexibility and gives choices to select from various electives.

Our programs will cover areas like water chemistry, consumer products-soaps, detergents, shampoos, skin preparations, polymer chemistry, drugs, industrially important chemicals-gases used in dusters, alkali's, fertilizers, pigments which are in demand in the industry.

At Chitkara University, we offer our students state-of-the-art labs with top-of-the-line equipment to fulfill their dreams in the field of research and technology. Highly qualified faculty share their valuable exposure and mentor students for national/international conferences that finally helps them to pick the right career path.

Program Outcomes

At end of our programs in Chemistry, the students will be able to:

- Acquire knowledge, abilities and insight in well-defined area of research within Chemistry.
- Work as a Chemistry professional, and qualify for training as Scientific Researcher.
- Develop knowledge of scientific theories and methods, gain experience in working independently with scientific questions and clearly express their opinion on academic issues.
- Develop communication skills, both written and oral, for specialised and non-specialised audiences.
- Acquire the skills of planning and conducting advanced chemical experiments and applying structural-chemical characterisation techniques.
- Examine specific phenomena theoretically and/or experimentally, contribute to the generation of new scientific insights or to the innovation of new applications of research in Chemistry.

Some of the major areas that will be covered:

Inorganic Chemistry, Physical Chemistry, Organic Chemistry, Medicinal Chemistry, Supramolecular Chemistry, Instrumental Methods of Analysis, Co-ordination and Organometallic Chemistry, Organic Synthesis and Reagents, Quantum Chemistry and Group Theory, Natural Product Chemistry, Numerical Methods and Computer Programming, and project based learning.



Career Options

There are a wide range of career options available to students after finishing programs in Chemistry. From teaching to research and development, the field of Chemistry is wide and diverse. Academic programs in Chemistry opens up job opportunities in research and development institutions, industrial sector, government departments, health sector, laboratories and academia.

The field of Chemistry is highly rewarding and lucrative field of study. You can also pursue Research which expands the job horizons. Chemistry graduates can get jobs in Pharmaceutical Companies, Petroleum Companies, Chemical Industries, Perfume Industries etc.

Some of the job profiles include:

- Analytical Chemist
- Chemical Engineering Associate
- Lab Chemist
- Production Chemist
- Quality Controller

- Bio-medical Chemist
- Industrial Research Scientist
- Materials Technologist
- Production Officer
- Safety Health and Environment Specialist

3-Year B.Sc in Statistics & Data Analytics

This undergraduate degree program in Data Sciences & Analytics will provide essential training in Probability, Statistics, Mathematics and Computing tools for the visualisation and analysis of large datasets. With a huge interest and investment in Big Data technologies, Data Analytics graduates are in huge demand as organisations pay attractive incentives for qualified workforce.

This 3-year program designed to prepare graduates who can conduct data-driven investigations, and conduct visual and advanced analytics by acquiring and managing data of all types. Through this course, graduates will develop an in-depth understanding of Data Science and the techniques for analysis of quantitative and qualitative data to arrive at solutions. They will be able to identify patterns, predict trends, and analyse data from sectors such as Manufacturing, Banking & Finance, Retail, and Healthcare.

This skills-rich degree will provide you with the necessary training for employment as Data Analyst, by integrating the following components in the curriculum:

- Methodologies to handle complex Mathematical and Statistical models in order to tackle real-world commercial or public policy problems in various disciplines.
- A variety of statistical software packages to conduct data analysis and draw conclusions and actionable insights from computer output.
- Applications of Data Science in Finance, Economics, Business and Marketing.

The program aims to:

- Develop competence in students in the application of statistical techniques at a high level
- Provide students with a sound knowledge of the principles underlying standard applications of probability and statistics;
- Provide practical skills of Applied Data Science and Business Analytics to make well informed commercial decisions.

The program curriculum covers the essentials of Statistics and dives deep into Data Science. Some of the major component of the curriculum are:

Year 1:

Discrete Mathematics | Mathematical Statistics | Introduction to Computer Programming | Introduction to Databases | Linear Algebra | Calculus | Introduction to Data Science | Statistical Data Analysis

Vear 2

Advanced Calculus | Algorithms and Data Structures | Data Integration and Warehousing | Visual Analytics | Programming for Analytics | Consumer Behaviour | Machine Learning

Year 3

Simulation Modelling | Data Mining | Object Relational Databases | Data Science Capstone Project | Social Web Analytics | Advanced Analytics | Big Data Processing Techniques & Platforms,



Career Options

Data represents a potential goldmine of information - one that can give businesses a competitive edge if they can master the art of gathering it, analysing it, and putting it to good use. More and more companies are using it to further their reach, boost sales, operate more efficiently, and introduce new products and services. Skilled Business Analysts power these data-driven business decisions. Graduates trained in Data Analysis can have a huge impact on a business, driving important decisions that improve operations or identify future opportunities that could boost growth. The professional landscape looks promising with:

- Around 16,000 freshers were added to analytics workforce in India this year; up from 12,000 freshers in 2017. Fresher hiring has increased by 33%.
- Analytics professionals with more than 10 years' experience increased by more than 28,000.

Thus, jobs are abundant and the demand for data professionals continues to grow. Some career paths include:

- Business Analyst
- Business Analyst Industry Expert
- Business Analyst Project Manager
- Data Analyst
- Data Analyst SAS Programmer

- Big Data Analyst
- Data Warehousing Expert
- Business Intelligence Expert
- Data Warehousing
- Data Mining Expert

Companies who have hired our Business Analytics graduates for internship and full time campus placement are:





















3-Year B.Sc (Non Medical) in Physics, Chemistry & Mathematics

B.Sc program is a 3-Year degree program divided into six semesters. The program emphasises on making students understand the structural and functional basis of the universe, while introducing them to the basics of Physics, Chemistry and Mathematics so that they can understand the structure, functions and composition of the pure and applied Sciences.

Knowledge of these basic subjects is essential to understand the fundamentals laws of nature and to carve out careers in the exciting field of Research and Development. In this program, students will be introduced to basic principles in Physical, Organic and Inorganic Chemistry. Students will be introduced to the basics of Mathematics through Introductory Algebra, Calculus, Differential Equations and Calculus of several variables.

The Physics portion of the program is designed to provide a thorough basic knowledge in Physics at the under graduate level. Apart from the general topics, many of the new topics are included in the syllabus to keep students abreast with the latest developments taking place in the field of basic and applied sciences.

3-Year B.Sc (Hons.) in Physics, Mathematics & Electronics

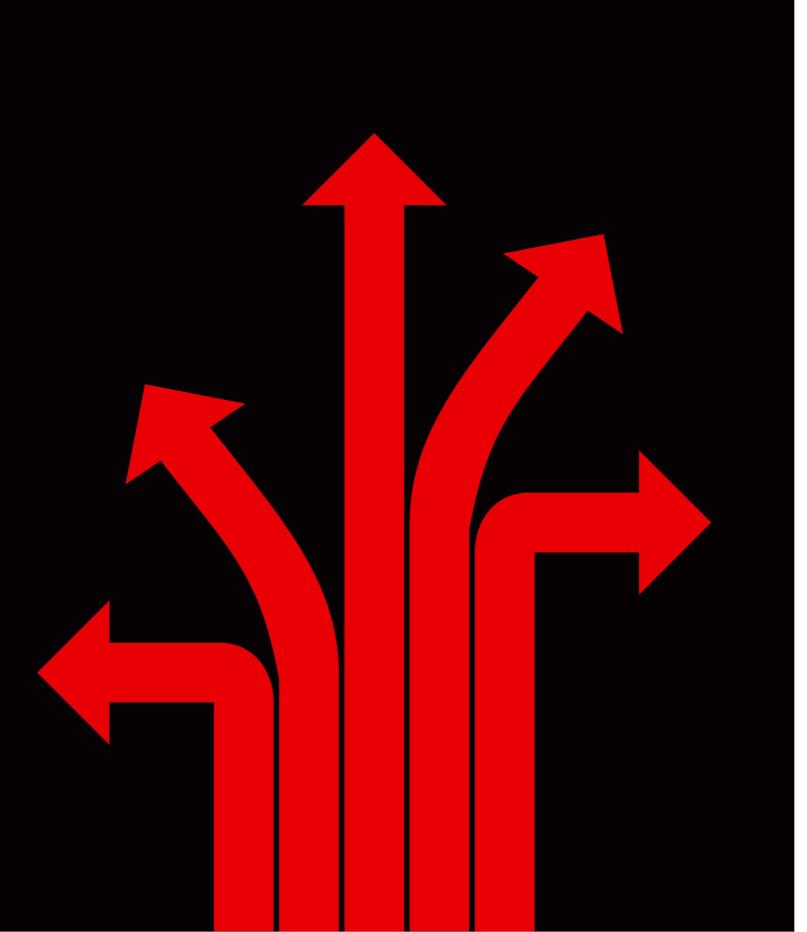
Apart from teaching general topics in Physics and Mathematics, there will be intensive focus on preparing students for the exciting field of Electronics. Some of the basic fundamentals of Electronics will be covered such as semi conductor devices and applications, Linear Integrated Circuits and Digital Logic Design and VHDL. Some of the courses in the program will also touch upon embedded systems, IOT and VLSI Design.

Career Options

The main goal of B.Sc Degree in Basic Sciences is to develop a deeper understanding of natural laws, inquiring about the reasons and logics which govern them through established methods of observation, modelling, experimentation and calculations. Thus B.Sc Degree opens a plethora of opportunities for further studies, research as well as lucrative employment opportunities across the globe.

The key advantage for pursuing Applied Sciences is that B.Sc graduates have wide choices to pursue in areas of research, technical and management fields. They have a wide range of options available in terms of research areas and can opt to join a postgraduate level degree program in their respective field to pursue further studies. Some students have also been known to opt for Non-science Master Degree Program in Management, Healthcare and Allied Fields.

After completing BSc. Degree one can get employed in non-scientific sectors in addition to scientific sectors. They can seek out for career in Research Laboratories, Government Corporations, Banking & Finance sector and so on. Apart from this, Science graduates can also find jobs in IT Industry, KPO and Allied Fields.



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