

## **COURSES OFFERED AT WESTERN INSTITUTE OF TECHNOLOGY**

### **MBA IN PROJECT MANAGEMENT (2YEARS)**

Specialization in: HR, Finance, Marketing

Course Overview: This programme is designed to equip you with essential modern management skills and knowledge and prepare you with an enterprising spirit grounded on solid business practices. The programme also aims to provide you with analytical and decision making capabilities in order to face different kinds of new challenges resulting from the rapid changes seen in today's growing business environment. The programme will provide you with the opportunity to develop specific expertise in project management.

What you study?

1st year: Financial Management, Human Resource Management, Managerial Economics, Organizational Behaviour, Business Communication, Principles of Project Management, Business Law, Managerial Accounting, Marketing Management, Operation Management, Business Environment, Project Management, Project.

2nd Year: Supply Chain Management, Management Information System, Organization Design and Development, Marketing Research, International Business Management, Business Taxation Management, Project in Project Management, Entrepreneurship Development, Banking and Insurance Management, Business Government and Society, Risk Management, Management Accounting and Control Systems, Project (HRM, Finance, Marketing).

### **1 Year Diploma & 3 year Degree**

#### **Diploma & Bachelor in HSE (Health Safety & Environment)**

Course Overview: This Programme is intended for students to become to become Safety professional. The course will help students to identify problems, the main Health, Safety & Welfare issues faced by employees; improve health and safety by proposing plans for controlling hazards and improving the working environment; use information and law, tracking down information and knowing how to use it effectively; get things done by working effectively with employer; develop skills to do an effective job as a Health & Safety Professional. It keeps the students equipped with international and national safety standards to build a safe working community.

What you study?

1st Year: English Communication, Computer Application, Introduction to HSE, Applied Mathematics,

Construction Safety Engineering, Hazard Identification & Control & Communication, Basic Fire & Safety, Chemical Safety Engineering, Introduction to Industrial Safety , Indian & International

Safety Law, Ergonomics Management, Environmental Science, I MONTH INDUSTRIAL TRAINING / PROJECT.

2nd Year: Organizational Communication & Management, Humanities & Social Science I, Emergency & Disaster Management, Advanced Fire Protection & Safety Engineering, Health & Safety Management System, Advance construction, Environment Management, Organizing effective Occupational Safety and Health Training, Petrochemical Safety Management, Safety and Security Management, Solid Waste Management, Industrial Hygiene.

3rd Year: Business & Technical Writing, Safety Audit, Human Resource Management, Project /Practical)

### **Diploma in Computer Science & Bachelor in Computer Hardware & Software (DCS & BCHS)**

Course Overview: Across all the sectors, Industries are upgrading their information technology systems. Industries ranging from plastics, chemicals, textiles and power to the automotive and telecom sector are now IT savvy. Government and the public Sector are going hi-tech with EDI and computer networks. The IT industry, software companies, data centers, IT-enable service providers are all equipped with advanced IT systems and networks. Students get a complete knowledge of Hardware & Software enabling them to fit themselves effectively in the field of information technology.

What you study?

1st year :English Communication, Computer Application, Applied Mathematics, Software Engineering, C Programming & Data Structure, E-Commerce, Computer Hardware, Microprocessor, Basic Electrical & Electronic, Object oriented Programming & C++, Linux, RDBMS, Operating Systems, 1month training.

2nd Year :Organizational Communication & Management, Humanities & Social Sciences, Networks & Data Communication, Digital Electronics, Visual Basics, Windows – Server, Java Programming, Logic Design, Internet programming & Cyber Law, Cisco Network Systems, Circuit Theory, SQL Programming.

3rd Year: Software Project Management, Project Training, Industrial Training/Internship.

### **Diploma in Hotel / Hospitality & Bachelor in Hotel & Hospitality Management (DH/H & BHM)**

Course Overview: From Wedding planners to ‘T in the Park’ this course gives you an insight into the skills required to progress to a career in the vibrant Hotel, Hospitality, and Event industry. This course will give you a broad grounding for a supervisory or junior management position in the exciting and challenging industry. Students will have the opportunity to participate in many external events. A Period of work experience will give further opportunity

to develop supervisory skills. The practical exposure given to the students enable them to rise to greater positions in this booming industry within a short span of time.

What you study?

1st Year: English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Principles of Accounting, Human Resource Management, Introduction to Hotel & Hospitality Management, Bartending Practical, Basics of Food and Beverages, Managerial Accounting, Food & Beverage Management, House Keeping, Introduction to Culinary Arts, Customer Service & Tourism Management, Front office Management, 1MONTH INDUSTRIAL TRAINING.

2nd Year: Humanities & Social Science I, Organizational Communication & Management, Statistics, Nutrition & food Science, Event management, Hotel & Hospitality Management, Housekeeping Part2, Hospitality Information System, Food Production Part 2, Service Part2, Facilities Management, Health Safety and Management.

3rd Year: Business & Technical Writing, Food Sanitation & Safety, Room Division operations, Project/Practical, Industrial Training/Internship.

## **Diploma in Business Administration & Bachelor in Business Management (BA & BBM)**

Course Overview: This degree combines the theoretical study of management topics such as organizational behavior and human resource management with an understanding of the strategic and operational context of businesses. We place a strong emphasis on employability, giving you the chance to undertake a range of practical assignments, and market research. This balance of theory and practice prepares you for a wide range of careers including consultancy, media, manufacturing, retail, finance and human resources. Total Knowledge gained by the students enable them to manage proficiently any kind of business Large or Small.

What you study?

1st Year: English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Principles of Accounting, Human Resource Management, Principles of Management, Sales & Marketing Management, Cost Accounting, Principles & Practices of Banking, Management Information System, Introduction to Finance, Business Law, 1MONTH PRACTICAL, PROJECT/ INDUSTRIAL.

2nd Year: Business Taxation, Organizational Communication& Management, Humanities & Social Science I, Statistics, Managerial Accounting, International Financial Institution, Operations management, Strategic Management, Business Environment, Organization change and Development, Marketing research, Industrial Training/Internship.

3rd Year: Business & Technical Writing, Human Resource Development, Project/Practical,

Industrial training/ Internship.

### **Diploma in Human Resource Management**

Course Overview: This course is suitable for those looking to develop their careers in Human Resource Management (HRM) as it introduces the key subject areas. As well as developing knowledge of those subject areas, the course develops practical skills including interviewing and training delivery skills.

What you study?

English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Principles of Accounting, Human Resource Management, Human Resource Planning, International HRM, Training & Development, Performance Appraisal, Compensation Administration, Employee Grievance & Discipline & Workers Participation in Management, Labour Laws, Human Resource Development, 1MONTH PRACTICAL PROJECT/ INDUSTRIAL TRAINING.

### **Diploma in Civil Engineering**

Course Overview: This course provides a solid grounding in core subjects including structures, geotechnics, materials, fluids, surveying and construction management with opportunities for students to specialize in key areas such as transportation in later years. There are projects for all students in second year.

What you study?

English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Applied Science, Introduction to Engineering, Engineering Drawing/ Practical, Planning of Building & Colony, Building Construction Engineering, Elements of Electrical Engineering, CAD, Estimating & Costing, Design of Steel Structure, Strength of Materials, 1MONTH PRACTICAL / Industrial Training.

### **Diploma in Mechatronics Engineering**

Course Overview: Mechatronics combines the disciplines of mechanical and electronic engineering together with computing and IT systems. The programme offers an integrated approach to engineering, incorporating Mechatronics, product design and microprocessor – based control, manufacturing systems, modeling, simulation and quality management. Mechatronics is essential to the design and manufacture of modern products and processes.

What you study?

English Communication, Computer Application, Introduction to HSE, Applied Mathematics,

Applied Science, Introduction to Engineering, Engineering Drawing/ Practical, Introduction to Mechatronics, Thermal Engineering, CAD , CAM & Robotics, Strength of Materials, Fundamentals of Mechanical Engineering, Elements of Electrical Engineering, 1MONTH TRAINING / Industrial Training/CNC

### **Diploma in Electrical & Electronics Engineering**

Course Overview: Electrical & Electronics Engineering at City has a long – standing tradition of excellence. The course provides a sound foundation for people wishing to pursue a career in electrical engineering, communication, control systems, robotics or sensor systems, through a diverse range of theoretical skills and practical experience, presented in the context of real applications and design experience

What you study?

English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Applied Science, Introduction to Engineering, Engineering Drawing/ Practical, Elements of Electrical Engineering, Electrical Circuits, Fundamentals of Electronic Engineering, Electrical Machines, Electrical & Electronics Measurements, Strength of Materials. 1 Month Practical / Industrial Training.

### **Diploma in Automobile Engineering**

Course Overview: Automobile engineering is the study as how to design, manufacture and operate vehicle and components from concept stage through to production stage. It is also the second largest manufacturer of tractors. There are plenty of employment opportunities for the qualified people and they can select a career in Automobile Industry which leads to bright future.

What you study?

English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Applied Science, Introduction to Engineering, Engineering Drawing/ Practical, Automotive Engines, Vehicle Maintenance, Transmission & Drivetrain, Elements of Electrical Engineering, Automotive Running Systems, Strength of Materials, 1MONTH PRACTICAL / Industrial Training/CNC.

### **Diploma in Marine Engineering**

Course Overview: Marine engineering applies basic engineering principles to systems designated to operate in predominantly aquatic environments. This includes not only all types of seafaring vessels, docks, harbors, freight – handling facilities, oil platforms, wind turbines and ship building facilities, but also engines, motors, navigational and communications devices, rigging, tools, foul – weather gear and safety equipment.

What you study?

English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Applied Science, Introduction to Engineering, Engineering Drawing/ Practical, Fluid Mechanics and Applications & Design & Manufacture of Machine Elements, Strength of Materials, Environmental Control in Ships, System Analysis and Control, Thermal Engineering,

## **Diploma in Fire & Safety Engineering**

Course Overview:

Fire safety refers to precautions that are taken to prevent or reduce the likelihood of a fire that may result in death, injury, or property damage, alert those in a structure to the presence of an uncontrolled fire in the event one occurs, better enable those threatened by fire to survive in and evacuate from affected areas, or to reduce the damage caused by a fire. Fire safety measures include those that are planned during the construction of a building or implemented in structures that are already standing, and those that are taught to occupants of the building.

What you Study?

Fire Fighter Orientation, Firefighter Safety and Health, Fire Behaviour, Safety Construction, Firefighter Personal Protective Equipment, Portable Fire Extinguishers, Ropes and Knots, Rescue and Extrication, Forcible Entry, Introduction to HSE, Personal Protective Equipment, Electrical Safety, fire Streams, Fire Control, Fire Detection Fire Alarm and Suppression System, Ventilation, Water Supply, Ground Ladders, Fire Hose, Fire Loss Control, Fire Scene Evidence, Petrochemical Safety Management, Occupational Safety and Health Administration.

## **Diploma in Bartending**

Course Overview:

The bartending industry has never shown better growth ever before and it is increasing day by day exponentially. The overwhelming influx of entrepreneurs opening up bars & pubs has provided the bartending industry a shot in the arm. A competitive market has motivated the desire to be noticed which has created high-spend areas in the event industry as well as the party circuit, thus creating another area where the demand for skilled bartenders is very high. We provide the only tested, reliable & the best network of bartenders & bar trainers across the country.

What you Study?

Introduction to Bartending, Professional Bartender, Bartending Terminology, Stocking Your Bar, Tools of the Trade, Basic Techniques, Decorating Cocktails, Hygiene and Safety, Drink Recipes, Martinis Galore, Shot Galore, Shot Recipes, Being Great Professional Bartender, Flaring, Fire Flaring, Magic's, Different Bar Counter Setups.

## **Degree Courses**

### **B.Com (Bachelor's Degree in Commerce)**

Students interested in getting the basic accounting and finance degree, along with other options viz., economics, HR, export-import, can take up B.Com. The major topics covered are:-

- Accounting & Finance management
- Cost management
- Economics
- Human Resource
- Export Management
- Industrial Psychology etc.,

B.B.I. (Bachelor's Degree in Banking and Insurance)

Students focused on getting into the banking and insurance sector can take up this degree course.

The major topics covered are:-

- Financial Accounting & Management
- Banking laws
- Business laws
- Corporate laws
- Taxation
- Auditing
- Cost accounting
- HRM
- Insurance etc.,

B.A.F. (Bachelor's Degree in Accounting & Finance)

Students who wish to get an in-depth knowledge on all accounting and finance methods, and focused of making a career in accounting and finance field can opt for this option. The major topics covered are:-

- Financial accounting
- Cost accounting
- Auditing
- Taxation
- Business Law
- Economics
- Business communications
- IT etc.,



## B.F.M. (Bachelor's Degree in Financial Markets)

Students who wish to get an early start in understanding and making a career in the financial markets (stock/share markets) can opt for the BFM degree. The following important subjects are covered in the curriculum:-

- Debt markets
- Equity markets
- Capital markets
- Commodities markets
- Security markets
- Investments
- Mutual fund
- Micro economics
- Financial accounts
- Taxation
- Statistics
- Risk management
- Communication Skills etc.,

## **MANAGEMENT**

B.M.S. (Bachelor's Degree in Management Science)

B.B.A. (Bachelor's Degree in Business Administration)

Students who wish to make a career in management cadre of the industry overlooking strategy and planning works of various departments that impacts business, can opt for BBA / BMS. The major topics covered are:-

- Marketing
- Finance
- Human resource
- Business & Industrial law
- Business mathematics
- Business ethics
- Management
- Operations & Research
- International business
- Public relations management
- Export-Import business
- Retail management etc.,

## **LAW**

B.A. LLB (Bachelor's Degree in Arts – Legal Law – Integrated – 5 years)

LLB (Bachelor's Degree in Legal Law – 3 years)

Students who wish to make a career as a lawyer in various disciplines can take up LLB or B.A. LLB with the following specializations:-

- Criminal law
- Civil law
- Industrial law
- Environmental law
- Human rights law
- IPR law etc.,

## **IT & COMPUTERS**

B.C.A. (Bachelor's Degree in Computer Applications)

B.Sc. IT (Bachelor's Degree in Science – IT)

B.Sc. Computer Science (Bachelor's Degree in Science – IT)

Students who wish to get into development of computer software programs, and who have taken maths and/or computers till 12th, are eligible for BCA / B.Sc IT / B.Sc Computer Science. The following major subjects and areas of computer programming are covered in these two degrees:-

- Computer fundamentals
- Mathematics
- C, C++
- System analysis and design
- Database management
- Visual basic
- Oracle
- Java
- Multimedia
- Networking
- Web design etc.,

## **MEDIA AND CREATIVE ARTS FIELDS**

**B.M.M. (Bachelor's Degree in Mass Media & Communication)**

Students who have a flair for oral or written communication, who are good at multi-tasking, have a logical and creative mind etc., wishing to be associated with a career in media, can take up a degree in mass media and communication. They can opt for the following choices:-

- Advertising
- Journalism
- Public Relations
- Media & Television
- Event Management
- Book Publishing etc.,

**B.Sc Animation (Bachelor's Degree in Science – Animation)**

Students who are fairly good at drawing coupled with a creative mind and a general likeness for designing in computers, can take up a career in the booming field of animation. The major areas of study includes:-

- Digital Art
- Animation and animation techniques
- 2D & 3D animation
- Studio design and management
- Lighting and camera etc.,

**B.F.A. (Bachelor's Degree in Fine Arts) /**

**B.P.A. (Bachelor's Degree in Performing Arts)**

Students with creative talent in various fields and also looking to work for social causes can opt for a professional degree in Fine Arts. The following are some of the areas covered under the same:-

- Drawing
- Dance
- Painting & Sculpting
- Fashion design
- Textile design
- Applied art
- Social work etc.,

PS: some of the courses would require one to clear the aptitude and entrance exams. Please check the universities/colleges that you apply to.

## **HOSPITALITY & TOURISM**

B.H.M. (Bachelor's Degree in Hotel Management) /

B.H.T (Bachelor's Degree in Hotel & Tourism)

The hotel management and tourism industry is a booming sector in the country. Students with a likeness for hotel and tourism related career can opt for this growing field, by opting for BHM / BHT degrees. The following area of study is covered under these degrees:-

- Food and beverage service
- Tourism & hotel engineering
- Business communication
- Food production & patisserie
- Catering
- Accounts & HR
- Sales & marketing
- Hotel & tourism laws etc.,

## **SPORTS**

B.P.E. (Bachelor's Degree in Physical Education) – 3 years/

D.P.Ed (Diploma in Physical Education) – 2 years

Students interested to take up a career in physical education can opt for BPE / D.PEd courses.

## **TEACHING**

D.Ed (Diploma in Education)

Students interested in the noble profession of teaching can make an early start by opting for Diploma in Education.

## **LANGUAGE**

B.A. Honours – Foreign Language (Bachelor's Degree in Foreign Language – 5 years Integrated)

With globalization the country is witnessing an association of business and culture with different countries worldwide. The business and cultural ethics are different in these countries. Hence, a degree in foreign language, coupled with a professional degree in business/culture among others, becomes a good career choice for many, to bridge a gap in understanding these differences.

Students who wish to get a degree in foreign languages can take up the B.A. (Honours) Degree with their choice of foreign language offered by institutions/universities viz., French, German, Finnish, Russian etc.,

Students with degree in foreign language may later take up higher studies in business / journalism / literature etc., for a career related to their language of choice.

## **MATHS & STATISTICS**

B.A. / B.Sc in Applied Maths / Statistics

Students who wish to specialise in maths or statistics as a career option can choose B.A / B.Sc degrees offered by respective universities for the same.

## **B.Sc**

Due to the advancement in science and technology, Bachelor of Science (B.Sc) has become an inevitable course in colleges offering degree courses, across India. Students with science background at the 10+2 level can pursue B.Sc in a wide variety of branches. Undergraduate in the field of science are taught to acquire higher levels of understanding of the use of scientific analysis, experimentation and the application of scientific principles and facts in solving problems. After pursuing Bachelor of Science, one can work in a wide variety of areas that include both science and non-science fields. Apart from research and government jobs, science graduates can also find jobs in business, marketing, and technical writing. Nowadays, science graduates are also recruited in the banking sector, to serve as customer service executives.

## **B.Sc (Physical Science)**

B Sc (Physical Science), a three-year undergraduate course, involves the study of the key concepts and theories of chemistry, earth science, physics, mathematics, environmental science, Biology, Physical Sciences etc. Students to this course are selected on the basis of their marks in 10+2. After completing B Sc (Physical Science) course, one can pursue postgraduate level course in M.Sc in Physical science/Biophysics/Chemical Physics/Radio Physics/Astrophysics/Biotechnology/Chemistry/Bioinformatics/Microbiology/Environmental Science etc. and thereafter, one can opt for becoming an observer or a scientist.

## **B. Sc General**

B. Sc General (Applied Physical Sciences), a three-year UG course, deals with the study of non-living systems, in contrast to the biological sciences. Admission into this course is either on the basis of the merit in 10+2, or performance in entrance test. After completing B. Sc General

(Applied Physical Sciences) course, one can opt for postgraduate course in science. Check out the list of colleges offering B. Sc General (Applied Physical Sciences), course in india.

### **B. Sc General (Life Sciences)**

B. Sc General (Life Sciences), a three-year pass course in science, deals with the study of all aspects of science, which involves the scientific study of life form. Students are selected either on the basis of the merit in 10+2 or their performance in entrance test. If you have taken mathematics with biology at least at the 10+2 level and have done B. Sc General (Life Sciences), course, you can opt for building a career in molecular biology, biotechnology, ecological modeling, bio-informatics etc. Here is the list of colleges offering B. Sc General (Life Sciences) course in India.

## **Engineering Degree**

### **Automobile engineering**

Automobile engineering is a sub branch of mechanical engineering. Automobile engineering includes elements of Mechanical engineering, Electrical engineering, Electronics Engineering, Software Engineering and Safety engineering as applied to the design, manufacture and operation of automobiles, buses and trucks and their respective engineering subsystems.

#### **Functions**

- Designing and developing vehicles using knowledge of mechanical engineering, combustion, vehicle structures.
- Using the knowledge of computers and electronic and electrical systems, which are all becoming increasingly sophisticated in modern vehicles. For example, some cars now have computer controlled engine systems and digital display dashboards.
- To specialize in design by using the computer-aided design (CAD) technology, allowing them to create and change designs much more quickly than drawing boards.
- To specialize in research and development by taking into account factors such as cost, safety and comfort of driver including crash and safety testing, fuel efficiency and environmental issues.

#### **Main Subjects :Three Year Diploma Curricula**

- Basics of thermal and hydraulics engineering
- Applied mechanics
- Elements of electrical and electronics engineering
- Workshop technology
- Auto engine
- Automotive material
- Strength of materials
- Chassis, body and transmission
- Automobile engineering drawing
- Computer aided drafting in automobile engineering
- Auto electrical and electronics equipment
- Garage equipment
- Auto repair, maintenance and driving practice
- Elements of design
- Tractor and heavy earth moving machinery
- Motor vehicle act and transport management
- Production planning and costing

### **Further Education**

- B. Tech in automobile engineering
- B. Tech in mechanical engineering

### **Employment Opportunities**

- Automobile engineer operator
- Research engineer
- Design engineer
- Teaching jobs
- Self employment scope is also there

### **Chemical Engineering**

Chemical Engineering is one of the most versatile branches of engineering. Over the years the scope of Chemical Eng. has widened quietly and it now interfaces with several emerging disciplines such as biomedical engineering, biotechnology, micro- electronics and materials science. The advantage of a diploma in Chemical Engineering is that it has excellent industry-academia interaction that offers consistent job placement.

### **Functions**

It includes design & setting up of large scale production plants to process naturally occurring raw materials into a variety of useful products such as pharmaceuticals, petroleum products, synthetic fibers, paper, plastics, rubber, paints, oils, foods etc.

- To look after the pollution control requirements for waste disposal.
- To manufacture various chemical products from raw materials.
- To work on Air, water and steam plant utilities for running the various process equipment efficiently.
- To work with heat transfer equipment's such as heat exchanges, condensers, boilers, evaporators, furnaces, etc. . . .

### **Main Subjects :Three Year Diploma Curricula**

- Basic Chemical Engineering
- Applied Chemistry
- Electrical & Electronics Engineering
- Engineering Material
- Mechanical Operations
- Fluid Flow
- Thermodynamics
- Industrial Stoichiometry
- Environmental Engg.
- Industrial Management



- Heat Transfer
- Chemical Technology
- Mass Transfer
- Processing Instrumentation
- Safety & Chemical Hazards
- Plant Utilities

### **Further Education**

- Certain Universities admit diploma holders in to 2nd year degree course after entrance exams.
- One can also diversify into the field of Biotechnology, Bio Medical Engineering, Micro-electronics or Materials science, Food engineering and Mineral engineering.

### **Employment Opportunities**

- Chemical engineers may work in companies involved in the production of such things as food, plastics, ceramics, pharmaceuticals, metals and glass.
- Many chemical engineers also find employment in environment protection and the reclamation or clean-up of contaminated sites, or in research laboratories, chemical plants and petroleum refineries.
- Other major employers of chemical engineers include manufacturers of basic iron and steel products, Textiles and Adhesives Industry, organic industrial chemicals and the mining industry.
- Engineers working in this field may specialize as combustion engineers, petroleum engineers, and principal chemical engineers, smelting engineers, water treatment engineers or environmental engineers.
- Teaching and Research.

## **Civil Engineering**

Civil Engineering is one of the oldest branches of Engineering because it deals with the day to day necessities of life and provides for physical infrastructure of our modern society. Civil Engineers are concerned with all types of structures including dams, bridges, pipelines, roads, towers and buildings, transport systems, the design and management of our gas and water supply, sewerage systems, harbors, airports and railways.

### **Functions**

- To design, planning, managing and supervise the construction of roads, pavements, hill roads , road drainage system, pipelines, towers and buildings, dams, power stations for electricity, embankments, construction of canals, head works, river training works, cross drainage works, regulatory and other Civil Engineering structures which should be safe, economical and environmentally-sound.
- Includes the jobs of detailed surveying, plotting of survey data, preparation of survey maps.
- To supervise operations involving proportioning, mixing, transporting, placing, compacting, finishing and curing of concrete.
- Construction of water supply and providing portable water.
- Collection and disposal of waste solids and liquids , sewage treatment works
- Preventing water logging and Irrigation works by tube wells.
- To supervise fabrication and erection of steel structures.
- To design simple steel structural elements.
- Make changes in design depending upon availability of materials.

### **Main Subjects :Three Year Diploma Curricula**

- Basic Engineering Subjects
- Structural Mechanics
- Surveying, Irrigation Engineering
- Water Supply and Waste Water Engineering
- Transportation Engineering
- Soil & Foundation Engineering
- Const. Management and Accounts
- Elements of Steel Structural Design
- Estimating & Costing
- Building Construction
- Hydraulics

### **Further Education**

- Certain Universities admit diploma students in to 2nd year degree course after entrance exams.

### **Employment Opportunities**

- Civil engineers may specialize as chief civil engineers, construction engineers, municipal engineers, structural engineers, transport engineers, or water supply distribution engineers.
- Civil and public health engineers may work in the private sector as consulting engineers, project managers or construction contractors or in a wide range of government departments.
- Work opportunities for civil engineers are affected by fluctuations in the building and construction industry. As a result, the number of opportunities may rise or fall over a short period of time.
- Prestigious civil engineering projects such as express highway, Railway project, large dams and various bridges, water Resources and Environmental Projects, Transportation/Traffic in India and abroad require Civil Engineers.
- Teaching/Research/Management

## **Computer Engineering**

This branch deals with design and construction of computers, development of computer programs (software) and computer based information and control systems. In its most general form it is concerned with the understanding of information compilation, transfer and transformation.

### **Functions**

- To be able to use computer in Business application.
- To be able to use C/C++/Object Oriented Programming/Foxpro in problem solving
- Assembling and Disassembling of PCs
- To design and develop application software system using computer programs
- Installation and Maintenance of Computer Systems
- To diagnose the faults for trouble shooting PC range of computers and associated peripherals.
- To use multimedia technology and different multimedia authoring tools
- To access Internet and to design web pages

### **Main Subjects :Three Year Diploma Curricula**

- Introduction to Information Technology
- Basic Engineering Subjects
- Computer Architecture
- Operating System
- Digital Electronics
- Programming in C Language/Foxpro
- Data Structure
- Database Management System
- System Analysis & Design
- Microprocessors
- Computer Graphics
- Computer Peripherals & Interfacings
- Computer Networks
- Computer Workshop
- Industrial Management
- Internet and Web Page Designing OR Introduction to Multimedia (Optional)

### **Further Education**

can get admission in IInd year Bachelor of Engg. based on merit of Diploma or through entrance exam for further education.

### **Employment Opportunities**

May work as programmers, web developer, E-commerce specialists, software/hardware engineers at the following places:

- Computer Centres
- Teaching / Research
- Government
- Private and business organizations /Industry

## **Computer science engineering**

Computer science engineering is concerned with the study of the basic structure of how the software performs its tasks. It is the task of computer science engineers to make sense of the mathematical formulae of the real world and convert it into a series of steps that the computer can follow. Computer science is traditionally more concerned with the theoretical underpinnings of computation and programming; thus one typically finds courses in programming, algorithms, numerical analysis (how do you guarantee a number produced by a computer program is accurate), and the theory of computation (what can and cannot in principle be computed). Computer science engineering is concerned with the theory of computing, programming languages, operating system, artificial intelligence, scientific computing, cryptography and computational complexity. Computer science is more about the theory of software, algorithms, data structures, networks, databases, etc. Computer Science is one of the most profitable and competitive course to study. In comparison to other sectors, computer science graduates fetch higher salaries in the beginning.

### **Functions**

- It includes the knowledge of programming, data structures, digital logic, theoretical computer science, algorithms, computer networks, operating systems, web technologies, databases, computer architecture, etc.
- Study of how data and instructions are processed, stored, communicated by computing devices
- It deals with the algorithms for processing data, symbolic representation of data and instructions, design of instruction languages for processing data
- Techniques for writing software that process data on a variety of computing platforms
- Protocols for communicating data reliably and securely across networks
- Emulation of human intelligence and learning through computer algorithms
- Statistical modeling of data in large databases to support inference of trends, and techniques for protecting the content and authenticity of data
- Algorithmic analysis- creation, optimization and debugging of algorithms
- Software systems- the implementation of software, different environments, compilers and operating systems
- Theory- the basic theory of which tasks can be completed in computational manner and which cannot be completed
- Practice as computer professionals, conducting research and leading, designing, developing or maintaining projects in various technical areas
- Ability to design and conduct experiments, as well as to analyse and interpret data
- Ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
- Ability to apply design and development principles in the construction of software systems of varying complexity
- Ability to identify, formulate and solve computer science and engineering problems and define the computing requirements appropriate to their solutions

### **Employment Opportunities**

- Booming IT sector in India has plenty of jobs for fresh computer science graduates

- Computer engineers have plenty of options to work in IT companies in departments such as design, development, assembly, manufacture and maintenance, etc.
- Programmer/web developer/e-commerce specialist in telecommunication companies, automotive companies, aerospace companies etc.
- Software developers/hardware engineers/system designers/system analysts/networking engineers/DBA
- Numerous national and multi-national computer manufacturing companies, computer hardware system design and development companies, computer networking companies, software development companies, etc. require computer professionals in large numbers
- Top companies which hire computer science engineers are—Google, Yahoo, Hewlett-Packard, International Business Machines Corporation, Toshiba Corporation, Dell Inc, NEC Corporation, Canon Inc, Apple Inc, ASSUSTEK Computer Inc, Acer Inc, Lenovo Group Limited, SAIC, Sun Microsystems, TCS, Infosys, HCL, Wipro, Techmahindra, etc.
- Government organizations like DRDL, ISRO, ECIL, BEL offer jobs to computer science students
- Computer science engineers can also get jobs in non-IT companies like universities, research, private and public industries, government departments, business organizations, commercial organizations and the manufacturing sectors, etc.
- Computer Science engineering diploma holders may even start their own venture with a very little investment.
- Commercial organization providing services in repair & maintenance of Computers and other peripherals.

## **Electrical Engineering**

This course deals with the maintenance, repair and production of electrical equipment and systems.

### **Functions**

- To do maintenance, repair and production of electrical equipment and systems.
- To procure, inspect and test electrical and electronic engineering materials.
- To design wiring schemes for domestic and power installation , to draw layouts for wiring diagram, to understand and interpret the drawings prepared by others according to Indian standards and relevant Indian Electricity Rules.
- To do fault diagnosis, repairing small electrical gadgets/domestic appliances making joints and carrying out wiring work.
- To select, operate, maintain, test and repair/replace electrical machinery used in various industrial and domestic applications.
- To perform the duties of installation, operation, maintenance and testing of measuring instruments.
- To use various quality control techniques and safety measures adopted
- To do industrial installation, laying cables, earthing, installing motors with their accessories, wiring testing of contractor control circuits and motor winding.
- To design and modify electrical control circuits, to carry out trouble shooting in control

circuits.

- To Prepare estimates of different kinds of jobs in domestic wiring, industrial wiring in transmission and distribution systems
- To install, erect, and commission the power equipment.

### **Main Subjects :Three Year Diploma Curricula**

- Electrical Engg. Materials
- Electrical Science
- Electrical Engg. Drawing
- Elect. Workshop Practice
- Electrical Machines
- Basic Electronics
- Electrical Measurements & Measuring Instruments
- General Engg. &Fabrication Techniques
- Industrial Management
- Electronics Devices & Circuits
- Electrical Power  
(Transmission & Distribution)
- Power Electronics
- Electrical Power  
(Gen. Switch gear & Protection)
- Utilization of Electrical Energy

### **Employment Opportunities**

- In the field of Generation, Transmission and Distribution of Electrical power.
- Operation and maintenance of equipment's, lines, fault location, planning and designing of simple distribution schemes,
- Executive and supervisory control in power stations or sub-stations, transmission and distribution networks.
- Installation, maintenance and repair of a variety of electrical equipment.
- Private Industries and firms dealing in the field of Meters and manufacturing and sale of variety of electrical equipment.

### **Electronics and Communication Engineering**

ECE is about electronic components, integrated circuits and microprocessors and consists of design, fabricate, test, maintain and supervise the manufacture of electronic equipment. This branch Of Engineering has a key place in the field of computers, Information Technology, Electrical, power system operations, communication systems etc..

- **Functions**
- To fabricate and test electronic circuits
- Manufacturing, testing and maintenance of electronic devices and systems.
- To understand the construction, identification, characteristics, specifications, merits, limitations and applications of electronic components and materials
- To understand lines communication, audio and video communication, and microwave communication

- **Main Subjects : Three Year Diploma Curricula**
- Electronics Devices & Circuits
- Electronic Components and Materials
- Digital Electronics
- Network Filters and Transmission Lines
- Principles of Comm. Engineering
- Electronics Instruments and Measurements
- Electronic Drawing, Design & Fabric Techniques
- Microprocessors
- Industrial Management
- Consumer Electronics
- Trouble Shooting and Maintenance of Elec. Equipment's
- Industrial Electronics & Instrumentation
- Communication Systems
- Television Engineering
- Microwave Engineering
- PC Organization

### **Employment Opportunities**

- Electronic Exchanges, Department of Telecommunications, Doordarshan Parsar Bharti, BSNL, Railways, Electricity Board are major employers of Electronics Engineers.
- Industries manufacturing Electronics & Communication systems, PCB components, Computers and other electronic equipment's.
- Commercial organization providing services, in repair & maintenance of Electronics & Computers.
- Marketing and Sales Executives.
- Teaching/Research.
- Electronics Engg. diploma holders may even start their own venture with a very little investment.

### **Electrical and Electronics Engineering**

Electrical and Electronics Engineering Department is a fusion of Electrical Engineering and Electronics Engineering. Electrical Engineering is one of the core fields of engineering, always evergreen in terms of scope and job prospects. Nowadays, Electronics Engineering is playing an important role in the implementation and control of electrical machines.

Electrical and Electronics Engineering Department inspires the budding Electrical Engineers with the potent idea of constructing Generating Stations, Transmission Lines and Distribution Systems at economic rates and to design, test and supervise the manufacture of Electrical and Electronic equipments used in electrical utilities, buildings, automobiles, air-crafts, radar, navigation system and broadcast and communication systems

### **Functions**

- It includes the thorough knowledge in the fundamentals of electrical and electronics

engineering

- Knowledge of generating, distributing and consuming electrical energy for the benefit of mankind
- It is concerned with the uses of the electromagnetic spectrum and with the application of such electronic devices as integrated circuits and transistors, and vacuum tubes
- Designing, developing, testing as well as supervising the production of electrical and electronic equipment and machinery under supervision
- Building of equipment's such as Broadcast and Telecommunication Systems, Electrical Motors, controls of machinery, lights and wiring in building complexes, vehicles, aircraft, radar and navigation systems, power generation, control and transmission devices
- Development of technological advances such as electrical heat and lighting, nationwide electrical power, mobile phones, digital television, fly-by-wire aircraft, medical imaging systems, hybrid cars and robotic space exploration
- Generation, storage and usage of electricity and also the transmission and transformation of information using computers and communication networks
- Analyze, manage and redesign new existing systems
- New ways of generating power from renewable energy sources including wind, hydro and solar powered technologies
- Developing more precise non-invasive medical instruments and scanners
- Developing new nano-scale devices and materials that enable whole new range of products
- More efficient ways of using electric power, such as low power lighting systems
- Developing intelligent systems such as autonomous cars or search-and-rescue robots, to improve people's lives while protecting the environment
- Better ways of gathering information through sensor networks to help people like farmers and manufacturers make accurate decisions

### **Main Subjects : Three Year Diploma Curricula**

- Electrical and Electronics Engineering Materials
- Digital Electronics
- Electrical and Electronics Measuring Instruments
- Electrical and Electronics Workshop Practice
- Computer Programming and Applications
- Electrical Machines
- Analog Communication System
- Electrical and Electronics Engineering Design and Drawing
- Microprocessors
- Instrumentation and Process Control
- Generic Skills and Entrepreneurship Development
- Environmental Science
- Electrical Power
- Industrial Electronics and Control of Drives
- Energy Sources and Management
- Digital Communication System
- Computer Networks
- Utilization of Electrical Energy



- PLCs and Microcontrollers
- Basics of Management

### **Employment Opportunities**

- Broadcast Engineer/Control and Instrumentation Engineer/Electrical Engineer/Electronics Engineer/IT Consultant/Manufacturing Systems Engineer.
- Electrical and Electronics Engineers are employed in many industries with the main areas being in electronics, IT, manufacturing, power, transport, construction and building services
- Opportunities are also there in telecommunications, research and development, and petrochemicals
- All major companies of public and private sector such as Electricity Boards, Large Scale Industries, Manufacturing Plants, Power Corporations, Hydro-electricity sector are continuously in need of Electrical and Electronics Engineers for their projects
- Opportunities for employment exist in public sectors and enterprises dealing with design, manufacture, and application of electronic devices and equipment, radio and television, communication system, radar and navigational aids, computer hardware and software, process control, etc.
- Electrical and Electronics Engineers can also get jobs in major public sectors such as Indian Railways, armed forces(technical branch), and also in thermal and nuclear power corporation ltd.
- Some top recruiters are—PSUs such as BHEL, NTPC, DMRC, NHPC, Power Grid, state electricity boards like APTRANSCO, APGENCO and private companies such as Crompton Greaves, Siemens, Hitachi, Jindal steel and power, reliance, I&T, TATA and Samsung Engineering
- Many premiere Educational and Research institutions regularly recruit electrical and electronics engineers as graduate engineer trainees and management trainees to work on research projects

### **Electronics (Microprocessor)**

This course is an area of specialization. Students of electronics engineering often use microprocessors to introduce programmable control in their projects, in industrial training. Microprocessors find application in process control industry. They are also a part of the electronic switching system between source and destination in long distance telecommunications.

### **Functions**

- To designing electronic equipment (tape recorder, VCR, TV receiver)/instruments, digital systems, microprocessors, PCB, oscillators and amplifiers circuit.
- Manufacturing, testing and maintenance of electronic devices and systems.
- To diagnose fault and repair of consumer electronics systems like audio-systems CD systems, TV, VCR and other items like digital clocks calculators, micro wave ovens, Photostat machines etc.
- To diagnose the faults for trouble shooting and for systematic repair and maintenance of electronic equipment and testing of components

- To work in the field of fiber optic communication, satellite communication and other communication systems

### **Main Subjects :Three Year Diploma Curricula**

- Electronics Devices & Circuits
- Electronic Components and Materials
- Digital Electronics
- Network Filters and Transmission Lines
- Principles of Comm. Engineering
- Electronics Instruments and Measurements
- Electronic Drawing, Design & Fabric Techniques
- Microprocessors
- Industrial Management
- Consumer Electronics
- Trouble Shooting and Maintenance of Elec. Equipment's
- Industrial Electronics & Instrumentation
- Communication Systems
- Digital System Design
- Microwave Engg.
- PC Organization

### **Employment Opportunities**

- In areas of R and D, production, servicing and maintenance of various communication systems.
- Employment in R and D, assembly, repair and maintenance of hardware of microprocessors and computers.
- Electronics components, devices, circuitry and microprocessors.
- Production/servicing/installation of microprocessor based systems

## **Mechanical Engineering**

Basically diploma holders in Mechanical engineering are imparted training to work in industry as supervisor of production shops which includes supervision of worker working on the machines.

### **Functions**

- Repair and maintenance of machine parts.
- Estimating and costing
- Design of components/ parts/ jigs / fixtures.
- Supervising production processes with a view to adhere to the specifications, optimum utilization of resources and achieving desired production targets
- Responsible for controlling production and quality of the product on the shop floor as well as be responsible for production, planning and control
- Erection, installation, calibration and testing of equipment .
- Material management
- Inspection of the manufactured product
- Supervising production and maintenance of refrigeration and air conditioning systems.

Main Subjects :Three Year Diploma Curricula

- Electrical & Electronic Engineering
- Workshop Tech.
- Mechanical Engineering Drawing - I
- Material Science
- Computer Application
- Thermodynamics
- Strength of Materials
- Industrial Management
- Fluid Mechanics
- Automobile Engg.
- Theory of Machines
- Machine Design
- Metrology & Instrumentation
- Refrigeration & Air Conditioning
- Prod. Management

## **Marine Engineering**

Marine engineering broadly refers to the engineering of boats, ships, oil rigs and any other marine vessel or structure. Marine engineering is the discipline of applying engineering sciences, mostly mechanical and electrical engineering, to the development, design, operation and maintenance of watercraft propulsion and on-board systems, e.g. Power and propulsion plants, machinery, piping, automation and control systems etc. for marine vehicles of any kind like surface ships, submarines, etc.

A Marine Engineer is a professional who is responsible for the operation, maintenance and repair of all major mechanical and engineered equipment on board a ship. They manage the enormous power of the ship and all its complicated machinery and help it cross the ocean. Marine engineers may have to work on cargo ships, container ships or oil and gas tankers. The pay of marine engineers is obscenely high even at the starting level, with the time off (4-6 months in a year) and with a chance to sail around the world.

### **Functions**

- It includes the knowledge of design, development, production and maintenance of the equipment's used at sea and on board sea vessels like boats, ships, etc.
- Knowledge of design, selection, analysis and installation of marine transmission systems
- Knowledge of underwater vehicle research, cable laying work, renewable energy production in marine areas, etc.
- Introduction to the services like fuel cells and magneto hydrodynamics etc.
- Knowledge of key areas associated with advanced offshore design. Offshore oil and gas-designing, building and operating offshore platforms, rigs, pipelines and equipment
- Knowledge of mathematics and physics appropriate to marine technology and related fields

- Knowledge of management principles and business practices
- Knowledge of production practice including codes of practice and regulatory framework
- To be able to select and apply appropriate mathematical and computer based methods for modelling and analysis relevant problems
- Use scientific principles in the modelling and analysis of engineering systems, processes and products
- Test design ideas practically through laboratory work or simulation with technical analysis and to evaluate the results critically, and making sure engines, instruments and systems work safely and efficiently
- Integrate and evaluate information and data from a variety of sources
- Marine surveying- examining ships and offshore installations, looking at their seaworthiness, safety and maintenance needs

### **Main Subjects :Three Year Diploma Curricula**

- Solid mechanics and fluid mechanics
- Manufacturing processes
- Electrical and Electronics Engineering
- Marine Engineering Drawing and CAD
- Ship Construction Technology
- Personnel Safety and Social Responsibility
- Marine Welding Technology
- Ship Modelling Practice
- Shipping Practice
- Marine Diesel Engine and Power Plant
- Naval Architecture
- Marine Auxiliary Machinery
- Project work, Entrepreneurship, Environmental and Disaster Management

### **Employment Opportunities**

- Marine engineers can work in governments as well as Indian Navy. Those who want to join government service can consider Directorate General Shipping of India
- Merchant Navy Officers/Navy Weapon Engineering Officer/Marine Engineering Officer/Chief Engineer/Harbour Master/Pumpman
- The demand of marine engineers in public and private shipping companies has risen sharply, with the increase in international global traffic. The construction, operations and maintenance of the engine room are the main obligations of a marine engineer. They deal with the technical area of the ship.
- Marine engineers are also employed in the IT sector in a major way, apart from the consultancy companies like Price Waterhouse Coopers and DCL, in construction companies, power sector, steel industry and electronic industry
- Some of the job fields in marine engineering are environmental protection, offshore oil recovery, marine metals and corrosion, renewable energy, remote sensing, naval architecture, defence, underwater vehicles, global climate monitoring, marine transportation
- Some shipping companies which give employment to marine engineers are-Shipping

Corporation of India, Great Eastern Shipping, VarunShipping, Wilco Ship Management and Transport Pvt. Ltd., Mobil Shipping co Ltd., Shevron Manning Services ltd., Mitsui OSK Lines,Barbor Ship Management Ltd. Australia, Ravenscroft Shipping Inc., Searland Ship Mgmt. Ltd. Austria, Orinoco Marine Consultancy Pvt. Ltd., Nortrans Pvt. Ltd., Anglo Eastern Shipping Mgmt. Ltd., Neptune Orient Lines Pvt. Ltd., Chellaram Shipping Pvt. Ltd., V-shipsInc.,etc.

- Budding field jobs as trainers and teachers at various institutions are also available and suitable candidates are very much in demand

## **Business Courses Or MBA courses**

### **MBA**

**Master's in business management** is the only multidisciplinary field that allows professionals from all backgrounds, who possess leadership, communication and managerial skills to achieve the desired managerial positions in their area of expertise. Those who have graduated with the MBA of Business Management have worked in government, education, technology retail, non-profit sector etc..

### **Business administration**

People all over the world are interested to study Business Administration Courses, as a very good career lies ahead. This course mainly focuses on theoretical, analytical and practical concepts about business administration. This course is examination oriented and lots of thrust is given on various theoretical aspects. Students undergoing this course are trained in various kinds of industrial expertise by the colleges so that they can work in various corporate environments. Those who graduate out of any reputed college are considered for various responsible jobs in the area of management. Today, Business Administration is treated to be one of the top career options.

Among the young people of present generation Business Management has turned out to be a very popular career choice. This branch of study is related to various managerial activities. People in this profession learn how to effectively use all the available resources to get maximum output. These activities include controlling and directing, staffing and planning.

The skills of Business managers are used for generating more profits as well as the smooth functioning of any organization. This branch of study has opened up many different opportunities in a number of fields where you can get good remuneration, good status and very good scope for many professional achievements.

Following are the list of courses available in Business Administration:

- Bachelor course in Business Administration
- Bachelor course in Business management
- Master in Management studies
- Master in Business Administration
- MBA in Textile management
- MBA - Tourism and travel
- MBA - NGO Management
- MBA - Financial management
- MBA - Aviation management
- MBA- Technology management
- MBA - Logistic & supply chain management

In order to make entry into undergraduate courses, the candidate must clear 10+2 from any recognized board. This is a three year degree course. For postgraduate courses one has to have a bachelor degree in any of the streams. In order to make entry into this course, the candidate needs to clear the competitive exam. Duration of PG course is two years.

If you want to do specialization in this branch then following are the options available:

- Economics
- Finance
- Sales & marketing
- Accounting
- Production and Operation
- Quantitative operation
- Human Resource Development
- Organization Behavior
- Management Information System
- Product Research & Development

After completing your study you can get a very lucrative job in many different companies. There are job openings in private as well as public sector companies, nonprofit organizations, marketing and Finance organizations. Many skilled professionals can also teach in Universities and colleges.

The candidate with graduate and post graduate degree can seek job in banks, investment firms, corporate house, financial institutions, media and industries, and export/import companies. Business administration professionals can also choose to be entrepreneurs.

**People with this qualification can get jobs in following positions:**

- Marketing managers
- Finance Managers
- Business Consultants
- Production managers
- Human Resource managers
- Accounts manager
- Business management professor
- Information System Manager
- Research & Development manager
- Business management researcher

Business Administration Professionals usually draw the best salaries in every organization. With more experience they can attain the top most position in any company.

## **Finance management**

This MBA program is for students, who are wishing to aspire in the finance functions such as economics, and accounting. The course is offered by all the recognized institutions. It is available as a full-time course, weekend courses, executive programs and distance learning programs. Students can select a suitable way of learning according to their preferences. Many programs offer elective courses to specialize in the particular field of the industry.

Financial Management is nothing but to plan, organizing, direct and controls the financial activities such as procurement and utilization of funds of the enterprise. Finance management program also provides knowledge about the crisis managements and specifically it examines the common problems that lead to the liquidations and bankruptcies. In order to qualify for this program you must have a bachelor or master degree in any domain and students with high percentage of marks in the entrance exam will be given first preference during the selection process.

Accredited online program is intended mainly for working professionals, who wants to move up in the hierarchy of the organization. The financial course is an integrated program designed to expose the student in the principles of finance theory, application of theory and real world problem case studies. Likewise, this program also gives an overview of the professional opportunity in the finance world. Students are encouraged to participate in various activities such as internship, presentation, symposia, and industry based project work. Students with advanced skills in applied finance are required in the present competitive economic environment.

### **Course content:**

- Corporate finance
- Investment strategy
- Financial institutions and markets
- Asset management
- Financial economics

The course content provided by the best colleges contains in-depth knowledge in the current financial development, and technical knowledge required to face the present scenario. This is a 2 year post graduate program and it is designed keeping in mind the need of the global business.

During the first year, students are given knowledge about the basic concept of the management principles such as quantitative methods, marketing, operations and strategy. The programs help the student to understand the functional areas of management and also about the different facets involved in it. During the second year of the program students are allowed to choose their elective areas to train themselves in the functional areas. The course content of the program may vary depending upon the institution the student attends, but the overall content is similar to this:

- Financial reporting
- Buyouts and acquisitions
- Investments and Investment management
- Corporate valuation
- International banking
- Cost analysis and profit planning

- Venture capital
- International economics and finance
- International corporate finance

In order to obtain the degree the required candidate has to complete all the semester exams that are core courses, experimental learning requirements (project work), and elective courses.

### **Career options:**

Accredited colleges give rigorous training to the people with real time applications so most of the students are able to enter the financial services industry. MBA in Finance has lot of career opportunities. This MBA program prepares the student for a career in the following sectors:

- Management consulting firms
- Investment banking
- Venture capital & entrepreneurial finance
- Corporate finance departments
- Economic development
- Private equity

Mutual funds organization

### **Human resource management**

Human resources (HR), is a postgraduate degree program that is given to a student to have successfully mastered in this field. Presently, the MBA degree given is one of the prestigious degrees and this program deal with the management of the work force of an organization or human resources. MBA in Human Resources Management enable a individual to persue a career in Human resources management.

Almost all the top MBA colleges offer this program in HR. The duration and the course content of the program vary from college to college. If you are a student, who has good bond with everybody around you and you are very good at managing them then this is the right option for your career.

The program lays the fundamental foundation for analytical and conceptual thinking and also gives the student an insight about the dynamic working culture of the business environment. The course of the program is oriented towards emerging issues in the management field. The course content in top colleges and universities undergoes a complete transformation for every three year period of time. Best accredited colleges in the country offer wide varieties of elective courses for the students. Developing skills in the subject area and teamwork project is the important phases of this program. These skills will enable the student to focus on all directions of the course content. Project work is the part of the course content and while working on projects the student is needed to communicate with managers from this field. Usually, the projects are sponsored by the leading organizations. As per the curriculum all the students should carry out at least 15 projects (short term or long term), usually live and it must be involved with industry concepts.

### **Course content**

This human resources (HR) post graduate program is spread for over two years in all major colleges along with a summer assignment in between the 2 year program. In the first year of the program, the student would be exposed to fundamental concepts in the finance, personnel management, quantitative methods, operations & behavioral sciences, and human resources management. In the second year of the program, students are requested to select their functional



areas. The student is also encouraged by top MBA Colleges to take up the dissertation work and to do a project on current business trends under the supervision of faculty

### **Work profile for MBA in HR student**

Students who have finished MBA in Human Resources (HR) degree successfully in Human Resource Management are in the top list of the recruiters. Presently, all sized companies big or small hire HR professionals to manage the manpower in the organization. These professionals play a key role in recruiting new talents, organizing training programs and also in making HR policies. Their designated roles are:

- HR Assistant
- Recruiter
- Training and Development Coordinator or manager
- Payroll Specialist
- HR Information Manager
- Director of HR
- Labor Relations Manager
- Employee Relations Manager

### **Marketing**

This MBA program focuses on the knowledge and skills that is required by the management professionals. It provides the students the general outline about the management perspective and provides data about the latest concept & practices that are related to the functional areas of the management. It also provides exposure to the students about international business marketing strategies. Case studies are very much useful to explore the different aspects of this subject area. MBA in marketing course is available through online & tradition college system and students can select the method of learning according to their preference. Top MBA colleges admit students based on the marks obtained in their bachelor degree program and entrance exam.

### **Marketing course:**

The Marketing in MBA course content deals with all aspects of marketing operations. The college also gives practice to the student in a diverse and complex environment. This program also helps the students to develop their analytical skills, which aid to find a suitable international business opportunity. The course also focuses on things that are needed for potential market.

The learning mode of the program is based on the advanced techniques, which give space to the student to explore the current trend of the market. MBA in marketing prepares the student to undertake management responsibility in the marketing area. This program is spread over two years and aims at meeting the demands of the marketing management. Some of the courses included in the MBA marketing program are:

- Advanced Marketing Research
- Brand Management
- Digital Marketing
- International Marketing
- Marketing and Society
- Sales Management
- Services Marketing
- Marketing Strategy
- Services Marketing

- Business Forecasting Value Chains

The above mentioned courses demonstrate the role of marketing and explore the relationship of marketing with the other functions. Guest lectures are also provided by the industry experts. Students will be evaluated based on their performance in the examination and other activities. During the second year of the course some of the best colleges arrange for campus interviews and first initial screening comprises of aptitude test. There are 3 levels of tests and students, who perform well in all the levels, will have higher chances of getting placed in the top rated companies.

### **Job options for MBA in Marketing:**

There are different kinds of jobs that vary depending upon the company, its structure and the placement that you are looking for. Some of the fields recommended for marketers are:

- Advertising and Public Relations
- Product Management
- Market Research
- Retail sector
- Non-profit organizations

Marketers working as account managers and account executives are the most common types of jobs available in this sector. In these kinds of positions, the person usually has to deal with a specific client or customer on a daily basis. It is highly important to have good communication skills for such positions as the marketer has to deal with the customers regularly.

The other job responsibilities of these positions are:

- To design marketing strategies for the company and this helps in expanding and growing businesses.
- Make the customer have confidence in you on how to perform the best in their business.
- To be always there when the customer needs you.
- To have excellent communication contact between the customer and the market professional.

Some other jobs do not require to work with customers at all times and involves less people are:

- Product Manager
- Brand Manager
- Consultants

**Marketing career** will take you in various directions as this field is full of many activities and facets.

### **Agribusiness management**

The main goal of the Agribusiness Management program is to train the people for managerial positions in this field. This program is available through accredited colleges as well as through online universities. Choice of college depends upon the student's preference. There are many Agribusiness programs and courses, which are offered by top MBA agribusiness colleges.

### **Airlines and airport management**

With the fast growing economy, management courses are gaining popularity like never before. Many graduates who want to continue with further studies are now opting for MBA on a wide

scale. There are a range of MBA courses being offered by several institutes across the globe. Some of the most popular ones are hotel management, Real estate management, Airlines and Airport Management courses and a few others. MBA Airlines and Airport Management is a unique course comprising both management concepts as well as best Airline & Airport practices. Since aviation industry is expanding day by day, its management is becoming important. Therefore, courses like **airlines and airport management** are in demand and many people opt for it. This course basically all about development of airports, security, forecasting passengers, handling communication systems and making commuting better.

A graduate having a discipline degree, from any recognized university or college, is qualified for a MBA course. Though at times, there are a few colleges that require you to clear an entrance exam. The duration of this course is generally for two years. Also, diploma course can be opted for in this field to get a job in reputed company.

If you hold a diploma certificate, you get to learn more about the facts that influence the success of airlines and develop business plans successfully, by taking one step at a time. This MBA degree in particular is considered as one of the safest options, as the aviation business is the least affected during recession period.

## **Aviation management**

Let's start with a simple question. What comes to your mind when you hear about the aviation sector? Well the general answer says all about the beautiful airhostesses and smart pilots. However, what you think is the answer? In reality, there are a plenty of other exciting and fascinating career options that this industry offers to anybody who is interested. One of the rewarding and prestigious career options called Airport Management.

### **How to become an Airport Manger?**

Let's talk about the responsibilities or duties of an airport manager before discussing about what it takes to become an airport manager. The position of an airport manager has a wide range of responsibilities, including coordinating vendors and controlling employees, managing all transportation schedules, and compliance with different laws, particularly the local area. Thus, the main duties of the airport manager are to make sure that the environment is safe and all the operations of the airport premises on a daily basis are well organized.

Now if you really think that you can handle all the responsibilities easily, the career at any airport management school will suit you very well. With the strong desire to become a manager, you are required to earn a bachelor's degree in aviation or aerospace management. Generally, the course is for four years and the topics covered are physics and aerodynamics, finance and management, airport economics, aerospace science including traffic control and safety system.

Bachelor degree holders usually have to gain several years of experience in the same field before becoming an airport manager. However, if you don't want to wait long for years to achieve your goal, then you can opt for a MBA degree in Aviation. After the course, you can opt for internship to gain some experience, if required.

The two year MBA course in aerospace is best for those who want to become an MBA institutions where you can peruse this course. Some offer admission right away, while others may require you to appear for an entrance exam. You can also opt for any online or distance

education for the above mentioned degree. Whatever the education procedure may be, once you get a certificate, a bright career is assured.

### **Wide range of opportunities:**

Your scope is not limited to airport manager after doing the MBA course in aviation (Aviation Management Courses) . You can choose to become air traffic controller, dispatcher, cargo agent, airline ground staff, cabin crew or flight attendant. You can also have yourself easily place in the aerospace safety department with this degree of MBA in Aviation. With above academic qualifications, the candidates are required to have a few personal traits and skills such as creativity, proficiency, good communication skills, time management and capability of handling the pressure in severe conditions.

Once you see yourself fit in all of the above mentioned criteria, you are good to become an airport manager. Choose the bachelors degree or master's degree to have a wonderful career in world's booming sector, Aviation. Believe it or not even a diploma course in above field will be enough for you to fetch a reputed job.

### **MBA in the field of Banking**

Job opportunities for individuals' increases as soon as they complete a recognized course in banking, the **MBA courses in banking**, one is guided to improve his banking skills, solving main issues related to international banking and creating a new organizational view point with this knowledge of MBA in Banking.

### **Bank management**

In a certification course or a program, one is provided a specific knowledge about a particular field. Generally, people who have chosen their career plan, pursue these types of certification courses. For instance, a candidate interested in fashion designing could pursue a program, which will educate him on fashion designing. These certification programs are designed to provide specialization to the individuals in a specific field.

Only those who have completed school education are eligible for these certification programs. Getting a certification helps an individual to achieve good job in the desired field. Banking courses could be easily pursued online. One could achieve top degrees online with the help of online education.

### **Certification oriented programs**

After completing the 12th class, commerce students could enroll themselves in various job oriented certification programs like CWA, CFA, CS and CA. Many top online schools and institutions around the globe provide training to the students.

Course duration in banking: - Certification courses in banking vary between 2-3 weeks to 4-5 months. In order to complete the syllabus of these courses, one needs to attend a regular class of at least 2 – 3 hours. Online courses for banking take longer time to complete.

Various government and private institutes have been introduced to provide this certification in the recent years. These institutes guarantee to train students and make them capable of clearing

the examination in the first attempt. If somehow, a student fails to qualify in the examination in first attempt, these institutes promise to pay back 100% money to the candidate.

The banking industry is subdivided into non-scheduled and scheduled banks. There are two categories of the scheduled banks and they are commercial banks and co-operative banks. Scope of employment in the banking industry has been increasing steadily over the years.

## **Brand management**

Today, management programs are gaining a lot of importance among students. One can do an MBA degree in a particular course, be it, hotel management, business management or brand management. This wide range of available courses helps the student to make a choice according to their interests and hence, show excellence in their field.

Masters in Brand management Programs are being encouraged these days as it is a unique type of course that can help a student build a brighter future. Also, the students who have studied this course are highly in demand as many companies want to employ brand experts rather than hiring market professionals.

This course deals basically with the learning of advertising strategies in order to promote a brand and sell its product. It involves the analysis of market rate, competition and customer requirement and business techniques in order to manage brands. All this is necessary as a strong brand gives an excellent image to the consumers.

A strong brand ensures high quality of the product. They even have high levels of market investments and are given superior support so that they can sustain in the future. It helps to construct a commercial figure, which is very necessary for the success of a brand and would help to increase its demand in the market.

### **Various Courses:**

With this MBA degree one would come across the following courses:

- Brand advertising
- Brand research
- Brand positioning
- Brand promotion

These courses on the whole help the student to analyze the working of a brand and its management in order to attain better sales.

A person who wants to pursue a master's degree in the above course needs to be a graduate from any stream, though marketing would be more preferred. You can take direct admission in such course however there are some exceptional colleges that require you to go through entrance examinations. An MBA degree in the above course is for two years though it may vary in some institutions.

Students can also go for a post graduate diploma degree in this course. It is for a shorter duration and would help an individual to get a job earlier. The eligibility criteria for a diploma degree are same as that for MBA. The diploma course is best suited to those who don't have enough time to study the field in detail, yet want a reputed job.

There are a few institutions that offer scholarships. One can even avail an educational loan if they show a good academic background. You should try and get into the best colleges as they help you to develop a great future and also help you with excellent placement in prominent companies and large industries.

### **Future prospects:**

Students who pursue this course have a promising job prospectus. Some of the field that they can go into are mentioned below:

- Manager of a company
- Associate manager
- Market analyst
- Product manager

Studying Brand management is ought to bring you success in the long run as with this you can secure your future for sure.

## **Business strategy**

In today's market, if a company fails to meet your basic demands like competitive price and good quality products, then there are few chances that it might survive for long. Businesses need to carefully formulate strategies and implement them, which can effectively help them succeed in achieving their targeted goals in a matter of no time. Organizations seek professionals and qualified managers, who can handle this job effectively.

MBA in Business Strategy Course that helps the students to step in strategic management positions. Through this program students can acquire basic strategy concepts, which can be applied on both the business and corporate level. The core emphasis of the course is to develop strategic thinking amongst the students, so that they can solve multi-disciplinary problems and take advantage of available resources and opportunities to the fullest.

Students after completing this course are able to predict and estimate the effects of important business decisions. They can judge the benefits and losses that may arise from integrating functional and corporate strategies as well as manage strategic changes.

## **Business management course**

Business management Courses is the act to control, organize, monitor and lead a group of people to achieve certain objectives and goals in the most efficient manner. Management can also be defined as human action, including design, to facilitate the production of useful outcomes from a system. Students interested in pursuing a career in Business management can start up by enrolling themselves in the bachelor degree program or Bachelor in Business Administration.

Any student with a commerce background during their high schools can enroll themselves for the qualifying exams. Qualifying exams usually cover broad topics such as General awareness, quantitative aptitude, reasoning and English proficiency.

The course curriculum includes core topics such as:

- Economics
- Accounting
- Marketing management
- Financial management
- Legal Business environment
- Human resource management
- Quantitative business applications
- Organizational behavior
- Operations management
- Management Information system

The student enrolling in this course must make sure that the institution they are opting for should meet the quality criteria set by the accreditation board. After the bachelors program, the candidate can work as a management trainee in various organizational areas. Sales and marketing division of any organization provides a good scope to start with.

Students interested in higher education can opt for Master degree program PG diploma online distance learning program in business administration. The two year duration course specializes the student with various business management techniques. This will help them in their career. Enrolling MBA in Business Management program allows you to pursue an extremely promising career.

A student pursuing master degree program in business administration can opt for general business courses or can specialize in any one of the following fields:

- Finance
- Supply chain management
- Operations
- Human resource management
- Strategic management
- Health care management
- Marketing management

Working professionals can choose between online MBA and part time MBA programs.

Admission to MBA programs usually occur by qualifying for GMAT or GRE tests. There are various other entrance examinations held every year throughout the world. The course content of these programs includes all the core subjects along with their selected specialization curriculum.

The MBA of Business Management prepares students for leadership roles in all walks of life.

A master's degree program in business administration is considered to be the most popular career option in the modern financial scenario. Management in all business and organizational activities is the act of getting people together to accomplish desired goals and objectives using available resources efficiently and effectively. The MBA in Business Management prepares students for leadership roles in all walks of life. One can start up his/her own venture or can begin their career as a senior management professional in any organization. Provides lot of job opportunities as well. Some of the most common fields of work include:

- Marketing manager
- Financial consultant

- Chief financial officer
- HR manager
- Investment Banking
- Accounting managers
- Analysts
- Entrepreneurship

## **Hospitality administration**

If you want to make a bright and high-paid career in a field, where you can also offer a helping hand to the community, you can look for healthcare industry for such opportunity. Today, the healthcare industry is booming and a career in this sector is a dream of most students worldwide. The interesting part is that even if you don't have a medical background you can make a prestigious and rewarding career in this industry by pursuing courses such as hospital administration or management.

### **Courses in Hospital Management or Administration:**

The main purpose of a course in Hospital Administration is to educate non-medical and medical graduates to take on a larger range of managerial and administrative responsibilities within any hospital or healthcare organizations. One can pursue MHA (Master of Health Administration), MS (Master of Science) or MBA in Hospital Administration Courses to become a hospital administrator which has great demands.

Although, MHA and MBA in hospital management have the almost same syllabus, MHA is preferred for students, who only want to serve the healthcare industry and MBA for those, who want a wider range of career opportunities in other field too. You can also look for a diploma course in above mentioned fields to get a good reputed job. For detailed information of above courses, you can refer any educational website on the internet.

### **MBA in Hospital Management:**

Discussing particularly about the two years MBA in Hospital Management, one is eligible to pursue it if the individual holds a bachelor's degree in any discipline from a recognized university. Top business colleges usually take admission through an entrance test. Once you have been admitted to any of the reputed colleges, your future is bright, and a reputed job is assured. You can be hired by health care suppliers, healthcare providers, insurance organizations or policy organizations anywhere in the world.

## **Hotel management**

Today, MBA in Hotel Management Courses has turned out to be one of the booming Industries in our country. In this profession main focus remains in providing best services to all the customers and guests. Among the many career options today, Hotel Management is one of the top choices for many young candidates. This profession involves a wide range of roles and functions e.g. food beverages, front office operation, management, sales and marketing, housekeeping and many more. After you complete your course in Hotel management you can choose from a range of career opportunities that exist both in the country as well as abroad.



In the industry related to Hotel management, there are plenty of jobs existing in Hotels and restaurants, cruise ship lodge, travel and tourism, cabin service, airline catering, club services and hospital administrations etc.

Following are the list of courses available in Hotel management:

- Certificate Course in Hotel management
- Hotel management Diploma
- Hotel management advance diploma
- Diploma in Tourism and hotel management
- BBA - Hotel management
- MBA - Hotel management
- MBA - Tourism & Hotel management

Basic eligibility to take admission in an undergraduate course on Hotel management is 10+2 from any of the recognized board or institution. The course duration is three years. For taking admission in the postgraduate course, the candidate should have a bachelor degree in any of the streams. In order to get admission in any good college, the candidate has to clear the open competitive examination. The course duration of master degree for MBA in Hotel Management is 2 years.

In this field of study there are few specialization courses also available. They are in following areas:

- Travel Geography
- Customer Service
- Room Division management
- Hospitality enterprise
- Hospitality sales and marketing
- Food and Beverage management
- Information System for Hotel management
- HR management in Hotel Industry

As far as job prospects in this field are concerned, you can get very good career opportunities. There are many people, who are engaged in various star hotels & catering related industries in the country. If you look at Hospitality sector it is a very wide field. There are various positions available for Graduates as lodging manager, staff supervisor, food service manager & restaurant manager and many more. Candidates with qualifications in this area can also get job in spas, travel agencies, hotels, sport and recreations, transportation companies, restaurants, airlines and many such places. There are several jobs available in universities and colleges as a teacher in this field.

You will find plenty of Hotel management graduates are working in following positions in various big hotels:

- Executive Housekeeper
- Resident manager
- General manager
- Housekeeping manager
- Food and Beverage manager
- Restaurant manager
- Convention service manager
- Front Office manager

This field is now growing and there is a huge demand for people with the right qualification and experience. Your salary will largely depend upon your qualification and level of experience. If you can show your skill in your job then your salary can rise very quickly.

## **Material management course**

MBA in Material Management provides information to the students about the logistics and supply chain key concepts. The program covers the following topics such as quality control of purchasing, ordering, shipping, and warehousing. It is available as online executive MBA program too. This type of program is very much intended for office going professionals, who are keen in this field. In order to enroll in the online program you must have minimum 4 years of work experience.

Full time course program is spread over 2 years and this MBA program enables the future managers to control the purchase supply chain performance. In order to apply for the master degree program the students must have a UG degree with minimum 50% mark.

### **Course structure**

The course content covers topics based on the managerial practices and material management. Some of the fundamental courses of management are financial management, management information systems, marketing management, operations management and human resource management. These topics give a general idea about the skills that are required to be a successful manager. Guest lectures are also arranged by the college. Field trips are arranged specially to understand the working nature of the material managers.

Live projects help the students to analyze their goals in the field and provide a chance to learn the key material management concept. So, opt for this course to move forward in your career path and fresh graduates can find a suitable job according to their preferences.

The course topics included in the material management program are:

- Strategic Management
- Management of Quality
- Production Planning and Control
- International Business Management
- Legal Aspects of Supply Chain Management
- Material and Store Management
- Risk Management
- Enterprise Resource Planning

### **Job opportunities**

There is high demand for supply chain managers in both small and large sized companies. The initial job position of material management graduates is management trainee, analysts and supervisors. Some of the job opportunities are:

- Project Manager
- Sourcing Manger
- Material manager
- Inventory Manager
- Supplier Manager
- Director of transportation
- Senior consultant

After completing the MBA in Material Management degree, the students can obtain a job in the following sectors such as shipping companies, construction firms, packing companies, wholesalers, retailers, research organization and consulting firms.

Many corporate companies worldwide are hiring efficient managers. The companies want to limit the wastage of their resources. This has made Material management a well sought after course for adult education. The course is all about how the materials are purchased, handled and stored with minimal cost expenditure.

The post graduate degrees in this course offer many options that may be pursued by the students online or in management schools. Some of the masters programs offered in this field are- Inventory Management, Purchasing Management, Material Planning and Control Management. The duration of the masters program varies from 1 to 2 years.

The Bachelors program teaches the students all the four areas in great detail and trains them in the various fields with practical experience. The students are well versed with the following after a 3 year course-

1. Materials required for a business based on past sales and future planning.
2. Planning based on the availability of the materials and considering options.
3. The legal aspects of deeds that finalize the supply, purchase and placement of the materials.
4. Monitoring the storage of the materials with damage control measures.
5. Inventory control- the most efficient way of Material management with usage of economic order quantities fixations and settings of stock at safety levels.

## **Mba in economics**

Economics is a type of social science that analyzes the distribution and consumption of goods, services and production. This subject is very wide and it is not just limited to finance, government and business, but also with war, religion, education, family, crime, politics, health, science and social institutions.

Economics mainly deals with various interactions of agents in economy & how the whole economics work. In all facets of our social life, Economic analysis can be applied since it has a very huge role to play in our daily life activities.

MBA Economics study includes the practical knowledge of financial accounting and auditing, functioning of economics and its insights, Practical knowledge of income tax and company law.

The following are the main objectives of studying the subject of economics:

- To find a solution for national & International issues
- To develop expertise for the constructive application of economic knowledge
- To learn how the economy really works
- To prepare a good career in the field of economics and also further studies
- To develop research & analytical skills

In most of the well known universities you can find both undergraduates as well as postgraduate course in economics. In order to get admission to undergraduate course the candidate must complete 10+2 exam or its equivalent from any recognized board. In order to take admission in postgraduate courses in economics the candidate must be at least a graduate in any discipline. MBA in Economics will take two years to complete.

If any candidate is interested to do specialization in Economics then he can opt for any of the following areas:

- Business economics
- Agricultural economics
- Rural development and rural economics
- International economics
- Industrial economics
- Natural resource economics
- Labor economics
- Econometrics
- Development Economics
- Welfare economics
- Financial economics
- Job prospects in Economics field

Today economics is considered to be one very hot area as far as job prospects are concerned. The majority of students therefore like to opt for this subject

Since economic theory is applied in almost all fields, you can find many economics graduates employed in various companies. Their work responsibility also may not be the same as they studied in their college. Many economics graduates are engaged in transport, manufacturing, banking, communication, investment, insurance, government sectors, and in many charitable and consulting companies.

Other than that both in private as well as public sector companies, economics graduate has got the bright prospect of getting employment in the field of journalism, sales, administration, finance, venture capital, investment banking and many other sectors.

Also, many international organizations also hire economics graduates for various positions. They are earning very good salary in both Government sectors as well as private sector at entry level. After gaining some experience in their respective fields they can expect very good rise in their salary.

Economics professionals are also getting good opening in various universities as a lecturer and professor. Since, many candidates are opting for economics as their subject there is greater demand for experienced teaching professional in this field.

## **MBA in information technology**

MBA in Information Technology is designed to educate and develop managers to administrate and implement information & communication technologies. This program mainly focuses on the management techniques that are used for the growth of the business. The growing demand of the IT industry has created demand for skilled professionals. Management degree is very helpful to enhance the skills of the students in this subject area.

### **Eligibility criteria:**

In order to apply for this program you must have completed the undergraduate program successfully. Most of the accredited colleges admit students based on the GMAT score card. First preference will be given to the student with the highest mark.

### **About the curriculum:**

This is a two year management program. Students will be trained in certain aspects of managerial skills. They mainly focus on the subjects that are related to:

- Database Management System
- System Analysis and Design
- Integrating E-Systems & GIS
- Securities and Control Information System
- Web Designing & Multimedia
- Innovation & Technology Management
- Computer Applications in Management

The course content of this program is designed in such a way that it helps the students to develop skills, which aids them to face the world outside business competitiveness. This program also supports organizational strategic goals. Best accredited colleges insist students to do live and industry projects. Seminars and symposiums are conducted, so that students will know about every aspect of management.

Students will be awarded marks based on their performance in the main examination, viva, class test, paper presentation, group discussion, project work, and internship program. Candidates, who have successfully completed the program, will be awarded a degree in Master of Business Administration (IT). MBA in Information Technology Management is designed to help you develop the skills you need to enhance business competitiveness.

#### **Career options in this field:**

MBA IT graduates have lots of opportunity in the following field:

- IT Governance
- Financial Management
- Service Management
- Outsourcing Business
- Configuration Management

This program is based on three dynamic aspects namely technical knowledge, management knowledge and skills that are needed to successfully integrate people. This degree is recognized worldwide and both international and national companies recruit qualified IT professionals. Some of the profiles of the MBA (IT) graduates are:

- IT managers
- Information systems manager
- Information technology director
- Chief technology officers

#### **Specialized courses:**

The following are the areas where specialized courses are available in the field of IT.

- Networking & communication
- Computer science
- Embedded system
- Data base & Information system
- IT and society
- Software engineering
- Geographic Information Science

The IT field has gained so much importance in modern times that quite often this age is referred to as Information technology age. Due to availability of a large number of talented professionals, India is now considered to be a very popular destination for career enhancement in this field. If you want to shine in this profession then you need to be very dedicated, committed and devoted in your job. In order to become talented IT professional you need to have an intellectual and innovative mind.

IT professionals are highly paid in the industry. Their entry level emoluments may be same as the other engineering graduates, but their rate of rise is much faster when compared to students from other branches of engineering. Therefore, it is essential for the candidates to concentrate on their work profile as soon as they get an opportunity in a company.

Their rate of growth will largely depend upon how much skill they develop in their present job. Any bright and innovative candidate can see very fast growth in this field.

### **MBA in retail management**

Retail Management is one of the important branches of management study, which is related to selling of services and goods to consumers. Nowadays, people with this branch of management degree can have very good career prospects. With this qualification you can find various ways and means to deliver all kinds of goods to consumers at affordable time and price. This business is also known as retailing business.

Retailing business needs proper interaction with various customers and also coordinates the business activities right from product design to its delivery & postal delivery services. Professionals involved in this business are known as Retail managers. These people are involved with finding the solution of different problems, retail order monitoring, human resource & stocks, merchandising, and analyzing the supplies etc. Some of the courses available in Retail management are as follows:

- Certificate Course in the subject Retail bank operation
- Certificate Course - Retail
- Certificate course in Retail management
- B.A. in Material Management
- MBA - Retail management
- Masters degree in Retail management
- Masters of Logistic & Retail Management
- PG Diploma in Retail management

If you are interested to take admission in an Undergraduate course then you must clear 10+2 exam with any subject from a recognized board. The course duration is 3 years.

In case you want to get admission in Post graduate course then you must have a bachelor degree in Retail management. The duration of course is 2 years. MBA in Retail Management has acquired a lot of popularity because of the fact that after getting ample knowledge in retail management, the people will be able to attain more sales as well as profits even when they are doing own businesses.

In case of certificate program and diploma course in this branch, candidates must have passed 10+2 with any subject. Certificate course duration is from six months to one year. Diploma course duration is from 1 to 2 years.

#### **Following are few specialized areas of Retail management:**

- Store operation

- Competitive Analysis & Planning
- Merchandising
- Pricing management

There is very good job prospect for people with this qualification in India as there is going to be big retail market over here. You can get jobs in the area of departmental stores, supply chains, advertising agencies and supermarkets etc. These professionals are also required in the manufacturing industries, so that manufactured goods reach to customer properly.

There is a need of skilled retail managers in banking and insurance companies also in order to transfer their commodities to customers. Health care industry and education industry also needs a large number of retail managers. There are a number of MNCs also involved in this business. Due to this reason there is a huge employment generation for people with this qualification.

**Jobs are available at following positions:**

- Departmental managers
- Visual Merchandiser
- Management trainees
- Supply Chain Distributor
- Merchandising Assistant
- Store manager
- Marketing executive
- Sales Executive

**Employment of these professionals is available in following areas:**

- Advertising agencies
- Insurance companies
- Banks
- Restaurants
- Multiplexes
- Warehouses
- Shopping malls
- Airlines
- Cafes
- Book Shops
- Logistic firms
- Provision stores

Your pay package for the job will largely depend on your job profile, company, qualification and area of work. With experience, your salary will also rise along with the growth of your company.

**MBA in media management**

MBA in Media Management enables the students to comprehend and accomplish the entire spectrum of media business and entertainment. This program focuses on both business as well as content aspects of the industry. Some of the best colleges offer a range of course along with real time application and practical experiment. The growth of this media industry has been tremendous in the past decade and technology inventions play the major role across the media platform.

In order to apply for this management program you must have a bachelor degree in visual communication, graphic design, game art and animation etc. The course is available to the

student in various disciplines such as accounting, economics, management, law and information systems, finance, and marketing.

In this program the student would learn about various aspects of media such as movies, theater, music, sports, television network, telecommunication, publishing industry, production and syndication etc. The MBA in Media Management is good growing media industry, whether is it Indian film industry or Hollywood, TV industry or Online media industry or a print media industry.

**Course objective:**

It is a two year program in MBA and it aims to provide practical application to the students for planning, developing and controlling integrated marketing strategy and this course also helps them to apply general management principles in every aspect of the subject area. Media & Entertainment cover the following subjects:

- Broadcast entertainment (both Radio and TV)
- AVGC (Animation, Gaming, Visual Effects and Computer Graphics)
- Film entertainment
- New & Interactive Media
- Event Management

This program trains the student to understand the concept or context in which the media industry operates and includes facts like media environment, intellectual property, marketing and distribution. In this way students, who have taken up the course easily understand the framework of market psychology and they will also have potential to analyze the market trend.

**Curriculum:**

The curriculum for this advanced Media MBA program usually includes principles of communication, marketing management, and computer fundamentals. This program is designed for the students to develop their talent in this field, which will ultimately help the student to provide their 100% effort in this vast field. Usually, the course details and subject would vary depending on the colleges or universities. Some of the courses in the syllabus include:

- Global Media & Entertainment
- Organisational Behaviour & Human Resource Management
- Projects Management
- Media and Business Communication
- Fundamentals of Advertising
- Statistics & Business Research Methods
- Media and Business laws

Along with this the student should also take part in the internship program and industry visits. This will help the student to focus on their future career and marks are awarded to the students according to their performance in the various activities like seminar, symposia and presentations.

**Scope and Career option:**

The course content is designed in such a way that the student can study and practice media application to have fruitful career option in the entertainment and media industry. The student can seek a job in the following domain:

- Business Development
- Market Research
- Film Production
- News & Entertainment Media
- Strategic Planning



- Talent Management

The doctoral program is available for this subject in top accredited colleges and the students, who wish to go for it have to take up dissertation research courses.

## **MBA in tourism**

MBA degree programs in tourism courses focus on the business of tourism and the management skills that is required to run it. The MBA tourism program is offered by the top accredited universities or colleges. There is a lot of scope for this program and it is available as full time, part time and also as a distance learning program. Online and distance program are suitable for working professionals. The main objective of this course is to train the student for a professional career in this field.

In order to enroll in this program, you must have a bachelor degree from any discipline. The selection process for the course is based on your performance in common entrance test exams. Then you have to attend the group discussion and personal interview. Students, who perform well in all these things, will be eligible to get an MBA seat in best colleges that offer management studies.

### **Tourism courses:**

The course content of the MBA tourism is designed on par with international standards and also meets the tourism industry needs. This MBA program imparts professional education by training the students in modern management technologies. This will help the student to handle tourism operations in a highly competitive and dynamic environment. The aim of the course content is to cover all the important subjects and topics that are related to tourism.

This is a two years management course which is very interesting. In the first year, you will learn about the general management principles and introduction about tourism. In the second year you will study all the aspects of tourism. Internship program and project work are also included in this program. Some of the courses included in the

MBA tourism program are:

- Economics for Tourism
- Tourism - Principles & Practices
- Global Tourism Geography
- Hospitality Management
- Tourism Research Methods
- Tourism Law
- International Management
- Travel Agency & Tour Operations Management
- E-Tourism Management
- Event Management
- Communication Skills and Public Relations

Tourism lab facility is also provided by the colleges, which display currencies of different worlds, model of ticket booking system, and some old travel document. After the successful completion of the program you can seek job in both private and government sectors.

Tourism courses offer strong professional and developmental opportunities. Tourism and management degree program are very popular choices for students willing to explore the beautiful world. Tourism involves working in the hospitality or service industry. Students learn marketing and public relations as well.

Most of these courses have adjunct training courses for individuals to develop soft skills. Students who are taking up tourism as a course option should have the knack of knowing the facts of a place on their fingertips. They should be well groomed with a pleasing personality that attracts social attention. Only when they think the world as their own home they can show people how beautiful it is.

Some of the job prospects that the students may expect after completing the course are working as a Travel consultant, marketing and tourism specialist, hotel or restaurant manager, travel agent, travel writer/blogger etc. Graduates with MBA in Tourism will have the opportunity to work in many different areas of the tourism industry. There are lot of job opportunities available in this field.

MBA program offered by some colleges focuses on different kinds of tourism. Some of them are:

- Hospital tourism
- Entertainment tourism
- Architectural tourism
- Medical tourism
- Religious tourism
- Historical tourism
- Educational tourism

Hospital or medical tourism is a developing area of expertise with great job prospects and with advancing science and global exposure people want the best treatment by the best doctors available.

## **Online MBA**

The MBA is the most highly-ranked degree in the world and there are many different organizations and publications that rank MBA programs. Although these rankings can be helpful when choosing an MBA program, different organizations use varying criteria to establish the ranking order, and any ranking should be taken with a grain of salt. In other words, you need to be sure as to whether or not your college is accredited and whether or not the actual program is accredited. Prospective students who are pursuing an MBA through an online college should also be sure to speak with their college advisors and be sure of the MBA program they want to follow.

As with all programs, prerequisites for an MBA will require prospective students to be in possession of a high school diploma or a GED equivalent at the very least. A strong grasp of mathematics will be beneficial to applicants as well.

The following are specialized subject areas in which students can get their MBA degree:

- Accounting and Bookkeeping
- Accounting with Computers, General
- Business
- Business Economics
- Business Finance
- Business Management and Operations
- Business Marketing
- Business Support and Administrative Services
- Entrepreneurship and Small Business Development
- Hospitality Management
- Human Resource Management
- Information System Management
- International Business
- Sales and Merchandising
- Specialised Sales

## **Other courses**

### **Clinical research**

Candidates, who are interested in pursuing Clinical Research need to study thoroughly about medicine and also about the various equipments used in a medically related field, usually, such candidates can work for any pharmaceutical industry, where they will get the opportunity to involve themselves in thorough research regarding the threats and benefits of any particular pharmaceutical product, in order to treat various kinds of diseases that is found in human beings. This kind of Clinical research and trials are conducted on a regular basis by various companies, who is dealing with pharmaceutical products and also many contract research laboratories. Normally, these kinds of researches are conducted in order to know the positive and negative effect of the product on the human being before the medicine is launched in the market.

There are lots of safety issues required to be verified before the medicines are launched in the market for the consumption of the masses and therefore it is very essential that the medications are fully checked under certain guidelines and its results must be documented and published for anyone to check. Therefore, the job of a person doing clinical research activity requires lots of dedication, determination and responsibility.

If any candidate wants to opt for this career then he must be hardworking, patient and with good analytical skills. If the person doing clinical research commits a single mistake then it can spoil the life of many numbers of people and at the same time the company's name can be defamed

and the reputation of all the products will be deprecated. Today, India is treated as one of the main places where such research can be easily conducted. Since, India is a highly populated country they need different kinds of medicines for different kinds of ailments.

Clinical Research jobs are very much expertise oriented jobs. In order to enter this field in Undergraduate course the candidate must clear 10+2 from any board. Degree in following disciplines may be offered by various universities.

- Pharmacy
- Life Science
- Medicine
- Bioscience

In order to do master course the candidate must possess graduation level of qualification with specialization in any one of the above areas. MBA in clinical research management is one of the specialized Post-Graduate courses. There are plenty of institutes available, which are conducting a course in this area. Following are the course contents of the Masters Course in this field.

- Clinical Research Fundamentals
- Bioavailability and Bioequivalence
- Legal and Ethical Issues in the area of Clinical Research
- Project Management
- Monitoring Clinical Research
- Biostatistics
- Clinical Data Management
- Six Sigma in the area of Clinical Research

There are very good prospects of Clinical research related jobs in India. India is also considered to be one of the biggest markets in Asia for pharmaceutical products. Any fresher can start as Clinical Research associate and gradually can rise to a higher position. The other positions available for the candidates are a clinical research manager, Biostatistician, Business Development manager, Clinical Research Coordinator, Clinical data manager, Clinical research Investigator etc.

Clinical Research professionals are very highly paid by various Pharmaceutical companies. As you grow in experience your salary will also rise very high. With higher qualification you can demand better salary.

## **Nursing**

Nursing is an extremely fast-paced and rewarding career within the medical sector. Talented nursing staff are essential to the running of hospitals and other institutions providing healthcare services. If you are passionate about healthcare and are looking to pursue a career helping people, then nursing may be your ideal course.

While entry-level nurses won't be paid quite as much as entry-level doctors, it's also worth noting that it will take you less time to qualify as a nurse than if you were doing a degree in medicine (so you'll be able to get started with your career sooner).

If you're torn between nursing and medicine, though, you should think less about the money and more about the role itself – if you think you would prefer to spend the majority of your time caring for patients directly, nursing might be the best option for you.

## **pharmacy or pharmacology**

If you've a passion for science and an interest in medicine then pharmacy or pharmacology may be the ideal course for you. Although medicines can be of amazing benefit to human health, they can also be extremely dangerous if not researched and/or administered correctly. There is always a demand for graduates who can contribute to the field of medical advancement.

## **Health care**

The health care industry is one of the booming sectors in the world today. It has shown remarkable growth from last few decades and is still growing at a rapid pace compared to others. The sector has always been a great career hunting field for brilliant minds around the globe. The career opportunity in this sector is enormous since it comprises of several subsections. Any course in the healthcare industry will be enough for an individual to find a suitable and prestigious job and an exciting Careers in Health Care

## **Modern Office Practice**

This course is related for performing various official methods , operations and procedures with the help of modern methods and equipments.

### **Functions**

- To do effective correspondence for controlling the office and to provide help to chief executive.
- To use Desk Top Publishing (DTP) , printing, presentation software, Ms-office , mailing software on computer for providing better office services in the changing modern office scenario.
- To use different management techniques such as planning, organising, staffing, directing and control for taking effective decisions for performing office duties.
- To do typing work on a manual/electronic typewriter for the preparation of letters, bills, invoices, forms, notices reports, statements and almost every kind of written communication.
- To deal with financial transactions of the institute/industry/company.
- Development of competencies in communication (written & oral).

### **Main Subjects :Three Year Diploma Curricula**

- Business Correspondence
- Office Methods and Practices
- Computer Applications
- Typing (English)
- Principles of Management
- Stenography (English)
- Book Keeping and Accountancy
- Personality and Human Relations Development
- Handling of Office Machines & Equipments
- Business Organization & Law
- Elective (Typing Hindi or Punjabi or Electronic)
- Entrepreneurship & Business Environment

The students of diploma in Modern Office Practice will be required to undergo on-the-job training for a period of six months during the final VI Semester in an office, which will be arranged by the institutions. The work-sites where on-the-job training may be organised are:

- Government Department Offices
- Business/Commercial Organisations
- Industrial Establishments
- Hospitals
- Educational Institutions
- Railways, Airlines and other Transport Undertakings
- Banking and Insurance Organisations
- Job-work Centres

### **Continuing Education**

Students can opt for graduation & postgraduation in Art or Commerce.

### **Job Opportunities**

- Personal secretary/Personal assistant to the executive and office executive in the organisation.
- Office executives / Supervisors.
- Documentation executive / Supervisor in public and private sector enterprises.
- Vocational teachers in ITI/ Polytechnics/schools.

## **Diploma in Fire & Safety Engineering**

Course Overview:

Fire safety refers to precautions that are taken to prevent or reduce the likelihood of a fire that may result in death, injury, or property damage, alert those in a structure to the presence of an uncontrolled fire in the event one occurs, better enable those threatened by fire to survive in and evacuate from affected areas, or to reduce the damage caused by a fire. Fire safety measures include those that are planned during the construction of a building or implemented in structures that are already standing,

and those that are taught to occupants of the building.

What you Study?

Fire Fighter Orientation, Firefighter Safety and Health, Fire Behaviour, Safety Construction, Firefighter Personal Protective Equipment, Portable Fire Extinguishers, Ropes and Knots, Rescue and Extrication, Forcible Entry, Introduction to HSE, Personal Protective Equipment, Electrical Safety, fire Streams, Fire Control, Fire Detection Fire Alarm and Suppression System, Ventilation, Water Supply, Ground Ladders, Fire Hose, Fire Loss Control, Fire Scene Evidence, Petrochemical Safety Management, Occupational Safety and Health Administration.

### **Diploma & Bachelor in HSE (Health Safety & Environment)**

Course Overview: This Programme is intended for students to become to become Safety professional. The course will help students to identify problems, the main Health, Safety & Welfare issues faced by employees; improve health and safety by proposing plans for controlling hazards and improving the working environment; use information and law, tracking down information and knowing how to use it effectively; get things done by working effectively with employer; develop skills to do an effective job as a Health & Safety Professional. It keeps the students equipped with international and national safety standards to build a safe working community.

What you study?

1st Year: English Communication, Computer Application, Introduction to HSE, Applied Mathematics, Construction Safety Engineering, Hazard Identification & Control & Communication, Basic Fire & Safety, Chemical Safety Engineering, Introduction to Industrial Safety , Indian & International Safety Law, Ergonomics Management, Environmental Science, I MONTH INDUSTRIAL TRAINING / PROJECT.

2nd Year: Organizational Communication & Management, Humanities & Social Science I, Emergency & Disaster Management, Advanced Fire Protection & Safety Engineering, Health & Safety Management System, Advance construction, Environment Management, Organizing effective Occupational Safety and Health Training, Petrochemical Safety Management, Safety and Security Management, Solid Waste Management, Industrial Hygiene.

3rd Year: Business & Technical Writing, Safety Audit, Human Resource Management, Project /Practical)

### **Diploma in Computer Science & Bachelor in Computer Hardware & Software (DCS & BCHS)**

Course Overview: Across all the sectors, Industries are upgrading their information technology systems. Industries ranging from plastics, chemicals, textiles and power to the automotive and telecom sector are now IT savvy. Government and the public Sector are going hi-tech with EDI and computer networks. The IT industry, software companies, data centers, IT-enable service providers are all equipped with advanced IT systems and networks. Students get a complete knowledge of Hardware & Software enabling them to fit themselves effectively in the field of information technology.

What you study?

1st year :English Communication, Computer Application, Applied Mathematics, Software Engineering, C Programming& Data Structure, E-Commerce, Computer Hardware, Microprocessor, Basic Electrical & Electronic, Object oriented Programming & C++, Linux, RDBMS, Operating Systems, 1month training.

2nd Year :Organizational Communication & Management, Humanities & Social Sciences, Networks & Data Communication, Digital Electronics, Visual Basics, Windows – Server, Java Programming, Logic Design, Internet programming & Cyber Law, Cisco Network Systems, Circuit Theory, SQL Programming.

3rd Year: Software Project Management, Project Training, Industrial Training/Internship.