**=================================**

**Detail of subjects to be shifted**

* 1. **B.Sc. (Hon) Botany**

**Introduction**

* it is a 3-year undergraduate course which can be pursued by aspirants who have completed their 12th class with good marks. This course deals with the study of general aspects concerning plant life. Aspirants who successfully complete this course will have a promising career ahead.
* B.Sc. Botany graduates have numerous higher study options available.
* These graduates can do numerous certifications as well.
* They can work in several job profiles

**Eligibility**

10+2 with PCB

**Jobs available**

After PG level there are plenty of jobs are in waiting.

* Teacher in schools and olleges
* Farming Consultant
* Environmental Consultancies
* Plant Pathologies
* Molecular Biologist
* Nursery Manager
* Ecologist
* Plant Explorer

**Institutions/colleges/universities**

* DU colleges, admission strictly on merit
* JMI
* AMU
* CCSU
* Many other private colleges

**.34 B.Sc. Nursing**

**Introduction**

* Post Basic B.Sc. Nursing Course prepares the Nurses for a wide variety of professional roles and graduate study.
* The aim of this program is to prepare graduates to assume responsibilities as professionals, competent nurses and midwives in providing promotive, preventive, curative and rehabilitative services, who can make independent decisions in nursing situations
* Protect the rights of individuals in pursuit of health.

**Eligibility**

10+2 Science

**Duration**

3-year degree course

**3.40C B.Sc. Cardiac Perfusion Technology**

**Introduction**

**Perfusion technology** is the study of physiology and pathology of the lungs and the allied respiratory organs of the human body. The course also throws considerable light on the associated equipment that is used to support or assume the function of the lungs and the heart during surgical procedures.

**Eligibility**

10+2 with PCB

**Courses**

**Institutions/Universities**

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* 1. **Allied Sciences. (Subjects included in Allied Sciences are;)**

1. **B.Sc. Anaesthesia Technology.**
2. **B.Sc. Audiology & Speech Language Pathology (BASLP)**
3. **B.Sc. Cardiac Perfusion Technology**
4. **B.Sc. Cardio Vascular Technology**
5. **B.Sc. Diabetes Sciences**
6. **B.Sc. Dialysis Therapy**
7. **B.Sc. Echocardiography**
8. **B.Sc. Emergency Medical Technology**
9. **B.Sc. Intensive care Technology**
10. **B.Sc. Medical Lab Technology**
11. **B.Sc. Medical Radiologic Technology**
12. **B.Sc. Neuro Electro Physiology**
13. **B.Sc. Operation Theatre Technology**
14. **B.Sc. Optometry**
15. **B.Sc. Physician Assistant**
16. **B.Sc. Respiratory Therapy**

The course (BASLP) is approved by the Rehabilitation Council of India

***Courses listed above are totally job oriented Hospital based professional courses and will provide high openings in the area of allied health professions in health care industry to the students. There is a shortage of professionals in these fields and hence there is a great demand and scope for these courses***

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**3.40D B.Sc. Cardio Vascular Technology**

**introduction**

**Eligibility**

**Courses**

**Institutions/Universities**

**3.40E B.Sc. Diabetes Sciences**

**3.40F B.Sc. Dialysis Therapy**

**3.40G B.Sc. Echocardiography**

**3.40H B.Sc. Emergency Medical Technology**

**3.40(I) B.Sc. Intensive care Technology**

**3.40J B.Sc. Medical Lab Technology**

**3.40K B. Sc. Medical Radiologic Technology**

**3.40L B .Sc. Neuro Electro Physiology**

**3.40M B.Sc. Operation Theatre Technology**

**3.40N B.Sc. Optometry**

**3.40(O)B.Sc. Physician Assistant**

**3.40P B.Sc. Respiratory Therapy**

* 1. **B.Sc. Agriculture**

**Agriculture (top 9 courses)**

1. **B.Sc. Agriculture**
   1. **B.Sc. Bio-chemistry**
   2. **B.Sc. Biotechnology**
   3. **B.F.Sc. Fisheries Science**
   4. **B.Sc. Food Quality Assurance**
   5. **B.Sc. Forestry**
   6. **B.Sc. Horticulture**
   7. **B.Sc. Micro-biology**
   8. **BVSc. Veterinary Science**
   9. **Bachelor of Physiotherapy**

**OTHER SCIENCE OPTIONS**

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* 1. **Actuarial Sciences (85)**
  2. **Archeology (55)**
  3. **Art Restoration (56)**
  4. **Astronomy and Astrophysics (5)**
  5. **Computer Science (35)**
  6. **Curator (57)**
  7. **Educational/vocational School Counseling (58)**
  8. **Energy & Power—2 years, NIMS University, Jaipur**
  9. **Environmental Science (37)**
  10. **Fire & safety**
  11. **Geo-informatics**
  12. **Green technology.**
  13. **Material Science**
  14. **Merchant Navy.**
  15. **Meteorology (23)**
  16. **Metallurgy (22)**
  17. **Monuments & Sculpture Restoration (59)**
  18. **Museology (60)**
  19. **Natural-resources and sustainable development.**
  20. **Naturopathy (50)**
  21. **Nuclear Science and Technology.**
  22. **Oceanography (42)**
  23. **Oil & Gas**
  24. **Rehabilitation Psychology (62)**
  25. **Physical Science (26)**
  26. **Rehabilitation Therapy (63)**
  27. **Social Work (64)**
  28. **Space Science.**
  29. **Special Educator (65)**
  30. **Speech Language & hearing (66)**
  31. **Statistical Science (43)**
  32. **Veterinary Science (44)**
  33. **Wildlife Biology (45)**
  34. **Natural-resources and sustainable development.**

**ENGIREERING**

**B.TECH**

* 1. **Advanced Engineering**
  2. **Airspace Engineering (2)**
  3. **Automobiles (6)**
  4. **Artificial Intelligence (4)**
  5. **Bio-technology Engineering (8)**
  6. **Bio-medical Engineering (7)**
  7. **Ceramic Engineering (9)**
  8. **Chemical Engineering (10)**
  9. **Civil Engineering (11)**
  10. **Cloud Computing (Electronics & communication with specialization in**

**Cloud computing & virtualization Technology )**

* 1. **Communication,**
  2. **Computer Applications. (33)**
  3. **Computer Science (34)**
  4. **Computer Science Engineering (12)**
  5. **Cyber Security (35)**
  6. **Electrical Engineering**
  7. **Electrical & electronics Engineering (13)**
  8. **Electronics**
  9. **Electronics & Communication Engineering (14)**
  10. **Fashion Technology (B.Tech.)**
  11. **Geo-informatics,**
  12. **Geo-science,**
  13. **Industrial Engineering (15)**
  14. **Information, communication and Entertainment (16)**
  15. **Instrumentation Engineering (17)**
  16. **Manufacturing Science & Engineering (18)**
  17. **Marine Engineering (19)**
  18. **Material Science and Engineering**
  19. **Mechanical Engineering (20)**
  20. **Mecha-tronics,**
  21. **Medical Electronics Engineering (21)**
  22. **Merchant Navy**
  23. **Mining Engineering (24)**
  24. **Nanotechnology**
  25. **Naval Architecture Engineering (25)**
  26. **Oceanography**
  27. **Oil & Gas.**

* 1. **Polymer Engineering (27)**

**3.142 Robotics (28)**

* 1. **Space Science.**
  2. **Techno-legal etc.**
  3. **Textile Engineering (29)**

**Medical Science & Dentistry**

* 1. **MBBS, (M. D/M.S. in all branches)**
  2. **BUMS.(53)**
  3. **BAMS (47)**
  4. **BHMS (49)**
  5. **Siddha (52)**
  6. **BDS (48)**
  7. **Pharmacy (51)**

**Paramedical**

* 1. **Actuarial Science (85)**
  2. **Bachelor of Pharmacy**
  3. **Bachelor of Physio-Therapy (BPT)**
  4. **Bio-informatics**
  5. **Bio-medical Science.**
  6. **Bio-technology (32)**
  7. **Cardio vascular Care Technician, 2-years**
  8. **Clinical pathology.**
  9. **Current Research Scope in Science**
  10. **Dietetics.**
  11. **Dental mechanics.**
  12. **Diploma in Medical laboratory Technology**
  13. **Diploma in Operation Theatre Technology …2 years.**
  14. **Diploma Pharmacy**
  15. **Diploma in Radio Imaging Technology … 2 years**
  16. **Environmental Science**
  17. **Forensic counseling.**
  18. **Forensic-science,**
  19. **Genetics**
  20. **Green Technology**
  21. **Health management.**
  22. **Histopathology.**
  23. **Hospital Management (93)**
  24. **Invasive Cardio Vascular tech. 2-years**
  25. **Lab technology,**
  26. **Lab-technician (Pathology)**
  27. **Marine Science**
  28. **Medical Anatomy**
  29. **Medical Lab Technology.**
  30. **Medico-legal Work**
  31. **Medical Micro-biology.**
  32. **Medical & Clinical Physiology**
  33. **Medical Microbiology**
  34. **Medical Physiology.**
  35. **Medicine & Radiology**
  36. **Medical Transcription.**
  37. **Medico-legal work.**
  38. **Natural Resource and Sustainable Development..**
  39. **Occupational therapy.**
  40. **Operation theatre Technology-2 years (10+2)**
  41. **Ophthalmic Technician- 2 years (Institute of Public health and hygiene,**

**(RZ-a-44 Mahipalpur, 011-26782850-54)**

* 1. **Oral medicine and radiology**
  2. **Rehabilitation counseling.**
  3. **Speech and Audiology.**
  4. **Ultrasonology—4 D (Institute of Public Health & Hygiene,**

**(001- 26782850)**

* 1. **Veterinary Science.**
  2. **Virology and Immunology.**

**(Separate information in detail about courses and Universities).**

* 1. **X-ray and Electrocardiography tech (----do-----)(10+2)**
  2. **X-ray technician.**

**After class 12th**

**Professional/Vocational Courses**

**(Common for all streams)**

There are plenty of courses to opt for after 12th common for three streams. One need to choose career options that provide good scope in future and at the same time develops interest to pursue it among students. Selecting a career option is one of the major decisions in a student’s life. Thus it must be made wisely after proper attention and understanding the field.

* 1. **Advertising, communications & events (68)**
  2. **Administration.**
  3. **Air-hostess (for girls).**
  4. **Animation (79)**
  5. **Art Direction (72)**
  6. **B.A. in Script Writing**
  7. **Banking Management (86)**
  8. **Bachelor of Business Management (88)**
  9. **Bachelor of design (accessory)**
  10. **Bachelor of design (leather)**
  11. **Bachelor of interior designing**

**3.215 Bachelor of Management Studies (BMS)**

**Introduction**

Bachelor of Management Studies (BMS) is an undergraduate program for management Studies offered by many universities throughout the world. The course allows you to obtain the knowledge and skills needed to assume management positions in a wide range of organizations.

* It helps students specialize in **management** and provide exposure to **subjects**  like business, finance, economics, and marketing.
* The major areas include labour **management,** negotiations, conflict resolutions, compensation systems, organizational behavior and statistics
* BBA and BMS are one and the same degrees with different names depending upon the college that offers the course
* B.Com. is for those students who are interested in accounting and those who would like to have a wider choice of subjects for higher studies viz; Economics, MBA related degrees as their higher studies option.
* BBA/BMS for those who want to pursue MBA later as this will help tremendously in MBA.

**Eligibility**

10+2 all streams

**3.216 BACHELOR OF MASS MEDIA (BMM)**

**Introduction**

It is a 3-year is an undergraduate Mass Communication course dealing with communication medium used by the masses. It includes newspapers, magazines, cinema films, radio, television, etc. the duration of the course is generally 3 years. In the third year, students need to choose an area of specialization like Journalism, Advertizing etc. these may vary from institute to institute. On job training is also provided through an internship in 2nd year of this course. Apart from these, seminars, group discussions and field visits are frequently undertaken for 3 years.

**Eligibility**

10+2 in any stream, percentage requirement may vary from institution to institution.

Some institutes also conduct entrance examination.

**Courses**

Bachelor of Mass Media

**Institutions/Colleges/Universities**

**Employment areas**

* All India Radio
* Central Information Service
* News papers
* Periodicals and magazines
* Press Information Bureau
* TV Channels
* Websites etc.

**Job types**

* Columnist
* Correspondent
* Editor
* Freelance writer
* Journalist
* News Analyst
* Photo Journalist
* Reporter etc.

* 1. **Bachelor of product design**
  2. **Bachelor of textile design**
  3. **Bachelor of interior designing**
  4. **BACHELOR OF MASS COMMUNICATION (BMC)**

**Introduction**

Mass communication is the process of disseminating information through a medium to a large and diverse audience. BMC course is a form of public communication, where the message or information is transmitted electronically or mechanically. Mass communication is made up of branches like PR, Journalism, advertising and mass media. Now a days Journalism and mass Communication is a very well known course combination.

**Eligibility**

10+2 in any stream with a minimum of 50% marks.

**Admission Procedure**

Admission procedure has two rounds

**First round**

Students will have to appear for the entrance test conducted by various institutes. This exam is a common objective and written test which is held in several cities across India. students will be short listed for second round on the basis of their entrance test score.

**Second Round**

If they successes in getting short listed, they will have to be present at the centre for the duration of 3-4 hours for the same. In this round they will have to a written ability test, they have certain documents verified and participate in a studio test as well as a personal interaction

**Institutions/colleges**

* JMI and other Institutes in India
  1. **BACHELOR OF MASS MEDIA (BMM)**
  2. **Call Centre- training.**
  3. **Communication Design (81)**
  4. **Communication & events**
  5. **Communication and Media-studies**
  6. **Corporate Intelligence (101)**
  7. **Curator (57)**
  8. **Design (82)**
  9. **Diploma in Digital Management.**
  10. **Diploma in Elementary Education**
  11. **Drama Production (75)**
  12. **Drawing and Painting**

**Introduction**

BA in **Drawing and Painting** is an undergraduate course. Part of drawing and painting is the addition of texture, whether the piece is realistic or abstract. There are various kinds of textures in art and design. Actual and real textures are those that can be touched such as the smooth surface of a metal sculpture or the spiky surface of a cactus. We can readily identify a material by its texture.

**Eligibility**

10+2 in any stream

**Courses**

Graduation course: 3 years

**Colleges**

* College of Arts, Delhi
* JMI
* AMU, Aligarh
  1. **English literature.**
  2. **Event Management (92)**
  3. **Fashion technology.**
  4. **Finance**
  5. **Financial Market Management**
  6. **Film Choreography (73)**
  7. **Film Cinematography (80)**
  8. **Film Direction (74)**
  9. **Film-making.**
  10. **Finance and Financial Management**
  11. **Financial Market Management**
  12. **Fine Arts**

**Introduction**

It is the academic study of visual work of art such as painting, dance, sculpture, photography, paintings and others. The course is also known as Bachelor of Visual Arts (BVA). It is a great career choice for the aspirants who enjoy imaging and creating something new. BFA offers students professional training standards, cultural exposure, aesthetic awareness and knowledge about different types of arts.

**Eligibility**

10+2, with at least 50% marks

**Courses**

BFA, MFA In photography, fine arts, ceramics, creative writing etc.

**Career options**

Ceramics, animation, drawing and painting, film production, craft artist, art teacher, publishing houses, sculpture, dance, film and TV, musical theatre, and others. Each area of fine arts is specific, but there are also some lapping courses.

**Institutions/colleges/universities**

* Faculty of Music and Fine Arts, DU.
* College of Arts, DU
* Department of Fine Arts, AMU
* Department of Fine Arts, JMI
  1. **Fire Safety Management (100% Job oriented Program--9871549659)**
  2. **Furniture and interior design course**
  3. **Flight/ aviation/ Pilot.**
  4. **Food science and Nutrition (103)**
  5. **Foreign language. (104)**

**Introduction**

* Foreign languages give a competitive edge in career choice
* One is able to communicate in the second language.
* Foreign language study enhances listening skills and memory.
* Improves the knowledge of one’s own language,

**Eligibility**

* 10+2 plus one year bridge programme and then must pass the assessment test in the respective languages.
* Students who have completed two years study are eligible for UG.
* An eligibility criterion is to be followed for admission in UG courses for different languages.

**Courses (languages)**

* German
* French
* Arabic

**Institutions/Colleges/Universities**

* 2. **Graphic Designing (83)**
  3. **Hair and Beauty-training Academies.**
  4. **Healthcare & Gym (UG & PG)**
  5. **Hospital Management (93)**
  6. **Human Resource Development**

**Introduction**

* Human resource Development (HRD) can be defined as a set of systematic and Planned activities designed by an organization to provide its members with opportunities to learn necessary skills to meet current and future job requirements.
* Learning is the fundamental principle that drives organizations towards higher concentration on Human Resource Development.
* HRD activities should begin when an employee joins an organization and continue throughout his career, irrespective of the authority level that the person holds.
* Companies require their human resource management professionals to possess a bachelor’s degree or even a Master’s degree particularly for senior-level leaders like HR directors and labor Relations Managers.
* It is very rare to find an entry-level job in the HR field without at least a bachelor’s degree.

**Eligibility**

* 10+2 in any stream

**Courses**

Bachelor’s degree in human resources or human resource management may be designed as;

* Bachelor of Science (BS)
* Bachelor of Arts (BA)
* Bachelor of Business Administration (BBA)
* BS/BA degree programs are most often designed as
* BA/BS in Human Resource Management
* BS/BA in Management with a concentration in Human resources.

Because of the business focus of most human resources degree programs, Bachelor’s degrees are often designed as;

* BBA wit concentration inhuman Resources.
* BBsA with a concentration in Organizational Behavior.
* BBA with concentration in Industrial Relations.
* BBA with a concentration in Management and Leadership.

Bachelor’s degree programs are designed to prepare students for entry-level positions in any number of HR areas, such as;

* Employment and Recruitment ‘
* Training and Development.
* Compensations and benefits.
* Employee and Community Relations.
* Personnel records.
* Health and safety strategic planning.

**Institutions/Colleges**

(IMI, IGNOU)

**Master’s Degree programs in Human Resources**

Organizations are now seeking highly skilled HR professionals who can take an active role in building the strategic vision of an organization. Therefore Master’s degrees in human Resources are more popular than ever.

* 1. **Insurance. (opportunities in this sector) (96)**
  2. **Interior Designing (106)**
  3. **Investment and Mutual Fund**
  4. **Jewellry Design Course**

**What is a Jewellry Design?**

Jewellery design is a field wherein professionals design as well as create jewellery. The entire process of making a jewellery is quite complex and requires technical expertise. Before any jewellery piece is created, a design for it is conceptualized through a detailed drawing which is made by a jewellery designer.

A jewellary designer is a person who is trained in such a way that he/she has an architectural as well as well as functional knowledge of different materials, compositions, fabrication techniques, wearable as well as the market tends.

**Eligibility**

10+2 in any stream for admission at UG level

For admission at PG level graduate is the requirement , if the candidate has the required skills.

**Courses**

**UG Courses:** BDes in jewellery design, B.Sc. in jewellery design, BA in jewellery design and BVoc in jewellery design

**PG Courses:** MD. In jewellery design, M.Sc. in jewellery design, MBA in jewellery design.

**Diploma courses** are also available.

**Required skills**

* Good communication skills
* Visual imagination
* Eye for detail
* Adequate knowledge of past and present market trends
* Creativity
* Innovativeness
* Intra personal skills
* Knowledge of different metals and gems

**JEWELLERY DESIGN UG COURSES**

**BDes Jewellery design**

**Syllabus**

* Elements of design
* Design foundation for jewellery
* Gemology
* Setting of gem stones In jewellery
* Computer aided design (CAD)
* Design with different techniques and ideas
* Merchandising
* Branding
* Digital representation
* Marketing and advertising
* Materials for design
* Accessory design
* International market
* History of arts and jewellery
* Diamond grading
* Export procedure
* Manufacturing costume jewellery
* Rendering techniques
* Metallurgy and casting process (design theory)
* Design theories and practices
* Product business planning
* Advanced CAD
* Methods and instruments for design
* Indian market
* Manufacturing process

**BA Jewellery Design**

* Introduction to jewellery design
* Design concepts
* Cultural studies
* Material exploration
* Communication skills
* Design studio (experience/skill based design collection)
* Design studio (logic and data based system design project)
* Design studio (institution based design collection)
* Design studio (handcrafted high fashion exquisite jewellery design collection)
* Professional, visual and presentation methods
* Gemology
* Body and adornment (economics, anthropometry)
* International language
* Jewellery rendering and presentation methods

**B.Com. Jewellery**

* Fundamentals of jewellery design and gemology
* Drawing and rendering (matals and Gemstones)
* Theme based designing
* History of jewellery
* Cost based designing
* Historical designing
* Orthographic views
* Indiann and international jewellery market
* Diamond grading and sorting
* Manufacturing process
* Accessory design
* Marketing, advertisement and brand building
* Advanced computer aided designing

**B. Sc. Jewellery**

* Jewellery designing
* Introduction to jewellery design
* History of jewellery
* Design and colour theory
* Metal and stone rendering technique
* 3D methodologies
* Researching and developing them-based designs
* Jewellery products and classification
* Designing for luxury and retail jewellery segments
* Designing for domestic and international market
* Research based project
* Portfolio development

**Gemology**

* Basic quality of a gem
* Method employed in gem mining
* Physical and optical properties of gems
* Gem-cutting techniques
* Crystallography and applications in gemology
* Instruments in gem identification
* Limitations and precautions
* Synthetics, composites, imitation gemstones
* Systematic identification of gemstone groups
* Individual stones and their stimulants

**Diamond grading**

* Introduction to uniqueness of diamond and journey from mines to cutter
* Cutting and polishing process
* Study of round brilliant cut
* Basics of polished ddiamonds
* Grading using international standards
* History of cuts
* 4 Cs: Grading for colours, clarity, cut and carat
* Identification of diamond and dimond stimulants

**Jewellery manufacturing**

* Properties of metals
* Alloys
* Manufacturing terminology
* Utility and limitations of important tools
* Cutting and blending pattern and texture
* Fusing and soldering
* Cold joining
* Finishing, patinas, stone setting, mechanism and chains
* Casting technology
* Hollow form
* Platinum jewellery

**BBA Jewellery Design and Management**

* Principles of management
* Communication skills
* Jewellery and gem business in India
* Computer Applications
* Quantitative techniques
* Accounting practice
* Organizational behaviour
* Business Economics
* Instrumentation study
* Business taxation
* Management accounting
* Ornament designing
* Gemology
* Marketing management
* Human resource management
* Production management
* Salesmanship and retailing
* Financial management
* Management information system
* Legal aspect of business
* E-commerce
* International trade
* Entrepreneurship development
* Advanced jewellery workshop

**Diploma Programme in Jewellery design and Technology**

* Drawing skills, free hand , human form, perspective and objective drawing
* Environmental exposure
* Colour science
* Introduction to Geometry
* Form and Space
* Introduction to gold smithing and metallurgy
* Introduction to gemology
* Design project
* Introduction to presentation and documentation
* Basic gold smithing and jewellery making skills such as filing, wire drawing and sheet rolling
* Students will learn how to use all hand tools and workshop machinery
* Practical training on individual and well equipped workbenches
* Lectures on safety regulations
* Technical exercise will be followed by design exercise in jewellery making
* Presentation techniques
* Design methodology
* Wax modeling
* Introduction into casting technology and the complete casting production cycle
* Polishing and finishing techniques
* Stone-setting
* Design and manufacturing exercise on jewellery fittings
* Etching and epoxy
* Engraving and enameling
* Repousse
* Stamping, coining and hallmarking
* Electroplating
* Quality control
* Maintenance of equipment and tools
* Safety, health and environment
* Export documentation and money realization
* Gemology—study and identification of diamonds and other coloured gemstones
* Research—domestic and international markets
* Photograph offers—costing, price analysis, and inputs in marketing and promotion
* Widow display and packaging
* Introduction to photography
* Design collection
* CAD Jewellery design

**Comprehensive Jewellery Designing**

* Visualization and representation technique and freehand object design
* Geometry of design
* Philosophy of colour
* Visual studies: Exploration of forms and textures
* Introduction of metallurgy covering all precious metals
* Design methodology
* Design process and prototyping in paper
* Presentation on traditional Indian jewellery
* Visit to the crafts and National Museum
* Knowledge of Gems
* Presentation technique I: Basic 3D drawing , stone rendering, metal rendering using different media
* Presentation technique II: basic technical drawing including isometry, orthography and perspective drawing
* Presentation technique III: Advanced rendering of faceted and phenomena stones
* Presentation technique IV: advanced technical drawing
* Market research: understanding different jewellery markets
* Design project based on market research
* Window display and packing
* 3 day visit to jaipur
* Computer Aided Jewellery designing (CAD)

**Basic jewellery Designing**

* Visualization and representation technique and freehand object design
* Geometry of design
* Philosophy of colour
* Visual studies: Exploration of forms and textures
* Introduction of metallurgy covering all precious metals
* Design methodology
* Design process and prototyping in paper
* Presentation on traditional Indian jewellery
* Visit to the crafts and National Museum
* Knowledge of Gems
* Presentation technique I: Basic 3D drawing , stone rendering, metal rendering using different media
* Presentation technique II: basic technical drawing including isometry, orthography and perspective drawing
* Lectures and demonstration of Basic jewellery making technique.

**Jewellery Design: Finishing, polishing and electroplating**

* Introduction to tools and equipment
* Magnetic polishing
* Finishing process including use of files, pendant motors, burns, rubber wheels, and emery papers
* Polishing processes including cutting and buffing using different brushes, felt laps, cotton buffs, grinding wheels etc.
* Textures and finishes
* Ultrasonic cleaning and steam cleaning
* Handling polished components
* Introduction to electroplating equipment and chemicals
* Different kinds of plating and galvanic solutions
* Practical exercises in silver and gold plating
* Introduction to part plating techniques and pen platters 5. Part plating techniques and use of pen platters
* Safety, storage and quality check

**Jewellery Design: Engraving and Enameling**

* Cutting process
* Gripping, posture, magnification
* Techniques of marking, decorative engraving, textures and carving to create a surface for enameling
* Basic metal work
* Types of enamels, opaque and transparent
* Preparation and application of enamels
* Enameling kilns and equipments
* Cloisonné and champlevé techniques
* Developing design in colour using basic techniques
* Developing design in colour using basic techniques
* Texture and special effects
* Firing and finishing

**Jewellery Design: Stone setting**

* Introduction to stone setting tools including usage and making of gravers
* Gripping, posture and magnification
* Claw, bezel and channel setting—theory and practical
* Pave, flush and tension setting—theory and demonstration
* Introduction to new setting techniques such as pressure and invisible setting
* Introduction to setting of fancy shape stones
* Finishing of different types settings using burs, files, rubber wheels and emery papers
* Quality check.

**Gemology course**

**Diamonds**

* Historical background, origin, geological timetable, mining, occurrence and major deposits of the world
* Crystallography, physical, chemical, optical properties. Distinctive features, inclusions and characteristics
* Treatment of Diamonds and their method of detection/identification
* Flow of rough diamond from mines to sites, diamond trade
* Nomenclature and grading system
* Importance of 4 Cs (cut, colour, clarity and carat)
* Types and forms of cuts
* Instruments for weight estimation

**Coloured Gemstones**

* Historical background, nomenclature rolex replica sale of gemstone, origin, geological timetable, mining, occurrence. Major gemstones deposit of the world
* Famous gemstones, folklore, influence, healing properties, birthstones and astrological view
* Nature of gem materials, crystal systems, crystallography, physical, chemical and optical properties. Inclusions, characteristics and sources of omega replica sale, best known Gemstones to trade
* Use of gemmolite and other Gemological instruments in identification
* Identification techniques
* Types and forms of cuts
* Enhancement-treatments and methods of detection/identification
* Synthetic stones- important properties and identification methods
* Organic gemstones and their physical, chemical, and optical properties, source and identification techniques
* Instruments for weight estimation.

**Diamond Grading Course**

* Diamond: historical background
* Origin, historical timetable, mining, occurrence, major diamond deposits of the hublot replica sale world, famous diamonds
* Crystallography, physical, chemical, optical properties, distinctive features, inclusions and characteristics
* Nomenclature and grading system
* Importance of 4 cs (cut, colour, clarity, and carat)
* Cut: Round brilliant and its facets, development of the brilliant cut, forms of diamond cut, types of brilliant cut, modified brilliant and fancy cuts, symmetry features, proportion, comprehensive evaluation

**Colour**

* Colour grades, origin and nomenclature, colour grading systems, colour measuring instruments

**Clarity**

* Clarity grades, origin and nomenclature, clarity grading systems, external and internal features

**Carat**

* Weight estimation of hublot replica sale, different cuts such as eight cut, carre, ful cut, navettes, drop shape along with instruments for weight estimation of round brilliant.
* Plotting and grading of cut and polished diamond by colour, clarity-external and internal features, cut symmetry features, calculation of proportions fake rolex sale and cut evaluation
* Diamond and its stimulants including synthetic moissanite and synthetic cubic Zirconia rado replica along with their identification techniques
* Diamond synthesis, treatment of diamonds and the method of detaction/identification

**Gemstone identification Course**

**Jewellery Design, quality control course**

**Jewellery Photography Course**

**Career in the Industry**

1. Starting salary as a jewellery designer is about 70-80 thousand repees per month
2. After having some years of experience, you can be the part of management of any jewellery design company.
3. Starting your own company.
4. Can work with smaller private player or a big brand as an employee. Can work as a repair person or lapidary. It all depends upon your experience and skill
5. You can join the vendor in order to grow your career. It is not difficult to findvendors associated with jewellery industry
6. You can leave the industry and run your mass production or a small unit.
7. You should realize what your future plans are in this industry. Freelancing, own company or something better.

**Institutes/ colleges**

* Allen School of Arts and Design, Jaipur
* Indian Institute of Gem and Jewellery, 19-22, Jhadewalan flatted factories, Delh

1. Courses across 3 streams (<http://www.iigjdelhi.org>)

(a reputed institute)

* Indian Institute of Gem and Jewellery, Jaipur
* Gemological & Jewellery Institute (GJI) (www.gjionline.com)

L-75, LGF, Shiv Mandir Marg, Lajpat Nagar-2

* PG Diploma in managing diamond -jewelry business

Duration—1 year (GD Goenka University)

* 1. **Liberal Studies (107)**
  2. **Library Science (108)**
  3. **Logistics and Supply-chain Management (97)**
  4. **Management (98)**
  5. **Mass-communication.**
  6. **Marketing, international marketing**
  7. **Media, advertising.**
  8. **Media & Communication Studies**

1. B.A. with Journalism—3 years
2. Bachelor in Journalism (B.J)\_\_3 years
3. Bachelor in journalism and Mass Communication—3years
4. B.A. with Mass Media—3 years
5. B.A. in Script Writing
6. Journalism, TOI and other Universities
7. Graduation and Post-graduation in students’ welfare—

Jamia Millia Islamia.

1. Travel and Tourism Management (12 months)

Different Polytechnics

1. Airfares, Ticketing (6 months)

Different Polytechnics

1. Fast Track (3 months) Mob—08130876777, 09810091297 [E-mail—enrol@thecreativacademy.in](mailto:E-mail—enrol@thecreativacademy.in) Web—www.thecreativeacademy.in
2. Sports and Sport education

(D.P. Ed, B.P.Ed, M.P.Ed, *Delhi, Lucknow* )

1. Health care and Gym.
2. Food Technology.
3. Administration and Management

(BBA, MBA and further studies in India and abroad

1. Communication and media studies. Selection of subject depends upon interest, aptitude, and inclination of the individual student.
2. PG Diploma in managing diamond -jewelry business

Duration—1 year (GD Goenka University)

1. Indian Institute of Tourism Travel Management (IITTM): two-year MBA

Qualification: Graduate, 50% marks, clear entrance test, CAT, CMAT, XAT, GMAT, ATM or IITTM

Tourism and travel: Gwalior and Bhubaneswar

Tourism and leisure services: NOIDA.

Tourism and International Business: Gwalior

1. Foreign destinations.
   1. **MEDIA AND EVENT MANAGEMENT COURSES**

* Bachelor of Multimedia Communication
* BBA Event Management
* BBA Media and Communication
* BA (Hons) Mass Media in Hindi
* BBA Media Management
* BA Media Technologies
* B.Sc. Visual Media
* MA Communication
* MA Media studies and Production
* MBA Event Management
  1. **Multimedia and Web technology**

**Introduction**

CBSE has introduced vocational subjects on multimedia and technology to enhance the students’ knowledge in latest technologies and trends lik, HTML, DHTML, XML, CSS, JAVA script. VB script, ASP, Photoshop, Coral draw etc. it not only increases the IT awareness but also gives the job opportunities in this field.

This course will definitely help those students who will select computer stream during their graduation after passing 10+2

Web designing courses have been gaining popularity as data visibility on the internet has become an important aspect of digitization.

There is a huge demand for designers in the market and pursuing web designing course can enhance the job prospects of candidates.

Multimedia technology includes interactive computer-based applications that allow people to communicate ideas and information with digital and print lements. Professionals in this field use computer software to develop and manage online graphics and contents.

The work that media technology specialists produce is used in various mrdia, such as training program, web pages and news sites.

**Five multimedia elements;**

(1). Text (2)image (3) Audio (4) Video (5) Animation

**Eligibility :** 10+2

**Courses**

* B.Sc. in multimedia—Degree course-3 year
* Diploma in web designing—2 year diploma
* Diploma in web designing and software development—2 year diploma
* Certificate in internet and web designing—18 month to 2 year certificate course
* Post-graduate diploma in web designing
* M.Sc. In E-commerce and web designing

**Institutions/colleges/universities**

(2) Indian School of Business and finance, New Delhi (2) Jagran Lakecity University, Bhopal,

* 1. **NGO management.**
  2. **NTTE**
  3. **Performing Arts (77)**
  4. **Philosophy**

**Introduction**

Philosophy uses the tool of logic and reason to analyze the ways in which humans experience the world’ it teaches critical thinking, close reading, clear writing, and logical analyses. It uses these to understand the language we use to describe the world and our place within.

Philosophy comes from a *Greek* word meaning “love of wisdom”

**Eligibility**

10+2 in any stream

**Courses**

BA, MA, Ph.D

**Institutions/colleges/universities**

* There are a number of colleges under DU. Getting admission in DU colleges with less than85% marks is not possible
* School of Distant Education, DU
* JMI
* AMU
* IGNOU

**3.249 Physical Education (BA & B.Sc.) (111)**

**Introduction**

Physical Education is study of bodily development, strength, physical co-ordination and agility. It is an undergraduate program. The 3-4 year duration B.P.Ed. course for 10+2 students and 1-2 year for graduates. Subjects included in the curriculum are

* Physical fitness, health related physical fitness.
* Performance related physical fitness.
* Health studies and effect of exercise
* Skeletal and muscular study.
* Analysis of circulatory, respiratory and endocrine systems
* Nutrition and health. Health promotion
* Safety education
* First aid and emergency care.
* Hypo-kinetic diseases, sports and life skills, etc.
* Ideal candidates for the course would possess competent motor skills, and movement patterns needed to perform a variety of physical activities.

**Eligibility**

* 10+2 in any stream
* Minimum aggregate of 50%
* Institutes conduct entrance test for admission.

**Courses**

D.P.Ed., B.P.Ed., M.P.Ed.

**Institutions/Colleges/Universities**

* Jadavpur University, Kolkata
* National Post Graduate College, Lucknow
* Scottish Church College, Kolkata
* Mount Carmel College, Bangalore,
* University of Lucknow, Lucknow.
* Chaudhry Charansingh University, Meerut
* And many more Institutions in different Cities.
  1. **Photography (84)**
  2. **Placement Training Program**
  3. **Printing and Packaging.**
  4. **Print-media & Communication**

1. Bachelor in Journalism (B.J)\_\_3 years

(iii) Bachelor in journalism and Mass Communication—3years

(iv) B.A. with Mass Media—3 years

(v) B.A. in Script Writing

* 1. **Private sector and Industry.**
  2. **Real Estate Training**
  3. **Religion**

**Introduction**

**Islamic studies:** It refers to the study of Islam. It can be seen under two perspectives.

1. Secular perspective

From a secular perspective, it is a field of academic research, whose subject is Islam as religion and civilization

1. Traditional Islamic perspective

From this perspective Islamic studies is an umbrella term of religious sciences ***(Ulum al Din)*** persuaded by Ulamas.

**Eligibility**

10+2 in any stream

**Courses**

BA in Islamic Studies

**Institutions/Colleges/Universities**

* Chistiya College of Arts and Science. Aurangabad
* Maulana Azad national Urdu University, Hyderabad
* Jamia Hamdard, Delhi
* Preston International College, Chenni.
  1. **Students’ Welfare (JMI) (Graduation & Post graduation)**

**2.60 Transportation and Mining-studies**

* 1. **Private sector and Industry.**
  2. **Public Relations (71)**
  3. **Real Estate.**
  4. **Retailing,**
  5. **Social Worker**
  6. **Sports & Sports Management (112)**

**Introduction**

Bachelor of Sports Management (BSM) syllabus consists of topics such as Basic Statistics, contemporary issues in Sports, Ethics of Sports, Financial Accounting, Principles of leadership in Sports, Marketing Management, Advertising, Public relations and sponsorship of sports and much more.

**Eligibility**

10+2 in any stream with at least 50% marks.

**Courses**

Bachelor of sports management (BSM)

MBA in sports management

**Institutions/colleges/universities**

* MIT School of Management, Pune
* ICFAI Business School, Hyderabad
* Symbiosis International University
* Amity School of Physical Education

**Top Jobs**

* Athletic Coach
* Athletic director
* Event Co-coordinator
* Facilities manager
* And many more
  1. **Students’ welfare (Graduation and Post-graduation)**  Jamia Millia Islamia.
  2. **Technical Education.**
  3. **Theatre.**

**Introduction**

* Drama and theatre studies is an intellectually challenging and artistically rewarding subject
* The course is designed to instill a thorough understanding of both theory and practice and has plenty of scope for development-based skills.
* As the student of Drama and Theatre studies course, you will be expected to see as much live theatre as possible and to actively explore new ideas and forms of performance.

**Eligibility**

10+2 in any stream.

**Courses**

BA, MA in theatre and TV

**Institutions/Colleges/Universities**

* National School of Drama, Bahawalpur House, Mandi house, New Delhi, DU.
* Lovely Professional University (admission office—connaught place)
* ICE Balaji Tele Films—Institute of Creative Excellence, Mumbai
* Asian Academy of Films and Television
  1. **Tourism Industry.**
  2. **Transportation and Mining-studies**I.T.
  3. **Vocal and Instrumental Music (78)**

**Food Technology &**

**Hotel Management**

**Food Technology**

**Food Technology Certificate Courses**

1. Certificate Course in Food Production and Patisserie
2. Certificate Course in Food Technology

**Diploma Courses**

1. Diploma Course in Food Science and Quality Control
2. Diploma in Food and Nutrition
3. PG Diploma in Food Analysis and Quality Control
4. Trade Diploma in Hotel Management (TDHM)
5. Food Production

**Bachelor Courses in Food Technology**

1. B.E. (Food Technology and bio-chemical Engineering)
2. B.E. (Food Technology)
3. B.Sc. Food Science and quality control
4. B.Sc Food Science
5. B.Sc. Food Technology
6. B.Sc Microbial and Food Technology
7. B.Sc. Nutrition, Food Service Management and Dietetics
8. B.Tech. Food Science
9. B.Tech Food Technology

**PG in food technology**

1. M.A. Food Nutrition
2. M.E. Food Technology
3. M.E. Processing and Food Engineering
4. M.Sc. Food Science and Technology
5. M.Sc Food technology
6. M.Sc Microbial and Food Technology
7. M.Tech Food and Nutrition
8. M.tech. Food Biotechnology
9. M.Tech Food Chain Management
10. M.Tech. Food Engineering and Technology-integrated
11. M.Tech Food Engineering and Technology
12. M.Tech. Food Processing Technology (integrated)
13. M.Tech Food safety and Standards.
14. M.Tech. Food Technology
15. Ph.D. Food and Dairy Technology
16. Ph.D. Food Biotechnology
17. Ph.D Food Engineering and Technology
18. Ph.D. Food science and Technology
19. Ph.D. Food Technology

**1.11 Hotel Management & Food Services**

**Institute of Hotel Management Catering & nutrition (IMH), Pusa, New Delhi**

**Affiliated to IGNOU.**

**Enterence Review:** The exam is called JEE, conducted by—NCHMCT

Fee about 2.3 lakh

Duration – 3-years.

* 100 other Management Institutes in Delhi (NCR)

**Other Avenues**

* Hotel management and food services.

**Institute of Hotel Management Catering & nutrition (IMH), Pusa, New Delhi**

**Affiliated to IGNOU.**

**Enterence Review:** The exam is called JEE, conducted by—NCHMCT

Fee about 2.3 lakh

Duration – 3-years.

* 100 other Management Institutes in Delhi (NCR)

**3.271 Diploma Courses**

* **Diploma Course in Food Science and Quality Control**
* **Diploma in Food and Nutrition**
* **Trade Diploma in Hotel Management (TDHM)**
* **Diploma in hotel management**

**(NIMS University…Shobha Nagar, Jaipur, 09413333140,)**

**3.272 Undergraduate Courses in Food Technology**

* **B.E. (Food Technology and bio-chemical Engineering)**
* **B.E. (Food Technology)**
* **B.Sc. Food Science and quality control**
* **B.Sc Food Science**
* **B.Sc. Food Technology**
* **B.Sc Microbial and Food Technology**
* **B.Sc. Nutrition, Food Service Management and Dietetics**
* **B.Tech. Food Science**
* **B.Tech Food Technology**
* **Bachelor in hotel management (NIMS, Jaipur)**
* **Bachelor of Hospitality Management**

**3.273 Post graduation courses in Food Technology**

* **M.A. Food Nutrition**
* **M.E. Food Technology**
* **M.E. Processing and Food Engineering**
* **M.Sc. Food Science and Technology**
* **M.Sc Food technology**
* **M.Sc Microbial and Food Technology**
* **M.Tech Food and Nutrition**
* **M.Tech. Food Biotechnology**
* **M.Tech Food Chain Management**
* **M.Tech. Food Engineering and Technology-integrated**
* **M.Tech Food Engineering and Technology**
* **M.Tech. Food Processing Technology (integrated)**
* **M.Tech Food safety and Standards.**
* **M.Tech. Food Technology**
* **3.274 MBA Course in Food technology—2 years**
* **Qualification:** Graduate, 50% marks,
* **Entrance test,** CAT, CMAT, XAT, GMAT, ATM or IITTM

**3.275 Research Courses in Food Technology**

* Ph.D. Food and Dairy Technology
* Ph.D. Food Biotechnology
* Ph.D Food Engineering and Technol\*ogy
* Ph.D. Food science and Technology\*
* Ph.D. Food Technology\*
* PG Diploma in Food Ana\*lysis and Quality Control
* Ph.D. in Hote Manageme\*nt (NIMS, Jaipur)
  1. **Hotel management and food services**
* **Institute of Hotel Management Catering & Nutrition (IHM), Pusa, New Delhi**
* **Affiliated to IGNOU.**

**Entrance Review:** The exam is called JEE, conducted by—NCHMCT

**Fee about**: 2.3 lakh

**Duration** – 3-years.

* **There are 100 (or more) Management Institutes in Delhi (NCR)**
* **Food Technology (NIMS, Jaipur)**
* **Food Science & Nutrition**
* **Food Technology**

**3.277 Hotel management and food services.**

**Institute of Hotel Management Catering & nutrition (IMH), Pusa, New Delhi**

**Affiliated to IGNOU.**

**Enterence Review:** The exam is called JEE, conducted by—NCHMCT

* Fee about 2.3 lakh
* Duration – 3-years.
* 100 other Management Institutes in Delhi (NCR)
* **Hotel Management (94)**
* **Nutrition and Dietetics (110)**
* **Food Technology (40)**

**Tourism and Travel**

**3.278 Tourism and Travel**

* **Tourism and travel (113)**
* **Tourism and leisure services: *NOIDA***.
* **Tourism and International Business**
* **Indian Institute of Tourism Travel Management (IITTM): Gwalior**
* **Tourism and Travel (NIMS, Jaipur)**
* **Tourism Industry**
* **Travel and Tourism Management (12 months)**

**Different Polytechnics**

**PG COURSES**

1. **HUMANITIES**
2. **COMMERCE**
3. **SCIENCE**
4. **GENERAL COURSES**

**A. PG IN HUMANITIES**

**Purpose of studying**

* To produce committed, value based and intellectual approach that contributes to the advancement of academics and the fields related to the practical life. Subjects of studies available for study in Humanities
* Teacher (UG and PG)---In subjects such as; History, Civics, Economics, , History, Pol. Sc., English and other languages, Sociology, History;

**AVENUES OF STYDY OF HISTORY AT PG**

study of historiography (study of the methods of historians in developing history as an academic discipline)

* historical research methods, study of specific periods

**Main specializations**

* Archaeology
* Museology: the science or practice of organizing, arranging and managing museums.
* Archival studies. Most of these courses are offered at PG level. Students specialize in particular object of study and become experts in coin (numismatist), weapon sculpture, deciphering of inscriptions (epigraphist*).*

**Employment:**

* Archaeologists employed by ASI for about 3600 monuments, museums Research institutes.

**Specialized M.A. Courses in Economics**

1. M.A. Mathematical economics
2. Econometrics—Gujrat University, Ahmedabad.
3. M.Sc. in applied Econometrics—Bharathiar University, Coimbatore
4. M.A. in Economics,
5. M.A. Econometrics,
6. M.A. Rural Economics,
7. M.A. Business Economics,
8. M.A. Development Economics.
9. M.A. Econometrics—Madras University
10. MS in quantitative Economics—Indian Statical Institute, Kolkatta, Delhi. The course includes Econometrics methods.
11. MBA in Managerial Economics, Macroeconomics, Economic Legislation.

**M.A. Animation**

1. **PG COURSES IN COMMERCE**

**Cost and Management Accountant (CMA)**

**Introduction**

Cost and management accounting is a form of accounting that aims to maximize profit by managing revenues and expenses. It provides data and reports used by managers to inform their strategies around long-term profit and growth.

It aims to improve company’s profitability by managing, controlling and eliminating expenses. Cost accounting helps business helps determine the cost of products, project and processes , which shows the company where its earnings and losing money and an integral part of budget planning. Cost and management accounting provides data and analyses reports that can be used by managers to make decisions that will lead to long-term profits and growth

**Eligibility, procedure**

It’s a post-graduate course.

The very first step to becoming a cost accountant in charge of budget management is to earn a formal degree in accounting from a program that is accredited by the *Association to Advance College Schools of Business.* While some smaller employers will hire those with an associate’s degree, a majoring would prefer to hire a professional who possesses a bachelor’s degree in the discipline.

After your bachelor’s degree, you will be eligible for most junior accountant roles where you can gain experience; you can pursue your certification and becomes a certified Management Accountant (CMO).

A CMA through the *Institute of Management Accountants* have proven that they have experience and have mastered to succeed in the industry.

**Job opportunities**

More and more service companies are concerned with analyzing costs and finding a way to reduce expenditures. If you are studying and want to benefit from the high demand for professionals in this role, you should consider specializing the importance of cost management in accounting; you can then be considered a skilled candidate.

* **Certified Financial Planner – CFP**
* **Chartered Financial Analyst (91)**
* **Law graduate and post graduates (LLB & LLM)**

* **LLB**

LLB or an integrated LLB is a professional degree which is meant to enable a graduate to practice the profession. Many law graduates, however, do not remain content with just one degree. Why one should obtain a post graduate credential such as LLM or a diploma in a specific area when a “GOOD”LLB degree is enough for any position in the profession—in judiciary, administration, industry or even in academics. There are a no. of explanations and reasons given by the experts. A few of them are listed below.

* *Increase in the no. of legal conflicts both in social and professional sphere, heightened the demand of qualified lawyers in this segment of specialized law practice, such as copy right, corporate law, criminal law, regulation law, international taxation law, labor law, corporation law, patent law, administrative law etc.*

**Copy right law**

* It falls under intellectual property rights (IPR) *– Many of the fields fall under this law*; such as literature, dramatics, music, artistic works, and creation of cinematography etc.- Copy right protects the inventor, creator against any unauthorized use or misuse of his creation or invention without prior permission. It safeguards certain rights of creator or inventor.
* A career in copy right law involves the registration of copy right with the registration office and prosecution for the protection of creator’s or inventors’ rights in a court of law.
* It can be a lucrative career in India especially in metro cities. It is essential for those who want to pursue in this field of law must have a keen interest in the field of law and copy right. –Since there are no specific courses for copy law , an internship of minimum six months will gain an insight into what the career entails.

**Corporate law**

* Law pertaining to companies and corporations (shareholders, directors, and other stakeholders). -Popularity, due to increasing of business and no. of new companies corporate law is gaining popularity. This branch of law also focus on creating rules for the companies or corporations that are acquiring or being acquired by other companies, or those that are being merged, so as to avoid avoid foul business practices and ensure fair play. Corporate lawyer should also have an in-depth knowledge of criminal law so as to protect companies from any adverse effect. Its practitioner should also have a Through understanding of various laws including principles underlying them such as;

the skills to interpret them

* Effective communication skill and presence of mind.
* Students who wish to pursue a career in stream can go for an LLB degree, specializing in civil law.
* Can work with law firms
* Join the legal department or a company or an organization
* Practice independently
* Fresh entrants can earn up to Rs. 25,000/- per month.

**Criminal law**

* In India a host of laws criminalize various activities. Under these laws, the government, through law enforcement agencies and its prosecution wing, can impose a wide range of penalties on individuals found indulging in prohibited acts. A criminal lawyer can either be a prosecutor or a defense lawyer. *As a prosecutor, he has to establish the guilt of the accused on behalf of the govt. As a defense lawyer, the job is to establish that the prosecution has not established its case ‘beyond reasonable doubt’ and the client is not guilty of the offence he/ she is charge with.*

**Work avenues**

**Corporate law firms**

* practice in courts
* set up their own venture
* in academics where extensive research is being conducted
* can enter the judiciary as a judge.
* Earnings– for fresh entrants, Rs- 20,000/ month

**Internships**

* are an indispensible part of law education

Essential for supplementing the theoretical knowledge. It enables the students to understand the difference between theory and practice.

* To gain insight of the efforts in order to understand difference between theory and practice
* Prepare arguments for a case—research, drafting, and briefing— thus allowing one to be in a better position when one starts working.

**LLM**

* Characterized by fast changing professional requirements necessitated an in-depth knowledge of our respective fields. This situation gives rise to the need of specialization.
* An expertise in any field enables you to understand and handle the complexities of the concerned profession, something which is beyond the domain of ordinary graduates.
* In the era of globalization, liberalization and privatization, the government’s role is changing from being regulators to being facilitators such that domestic legal framework is rapidly changing and we, as legal professionals, have to keep pace with this dynamism’.
* Domain expertise inculcates research abilities and instills a deep understanding of a legal subject in candidates which is possible only through a PG qualification.
* University Grants Commission (UGC) insists on the LLM and National Eligibility Test score for full-time teaching positions.
* Legal education is not just about acquiring knowledge of law; it involves learning skills, professionalism, ethics as well as creative and strategic thinking abilities to solve problems at both individual and social levels.
* Some law schools offer relatively better LLBs, but finding a good LLM program is not easy. Many law students who want to pursue a post graduate degree seek fellowships or take bank loans and migrate to the UK, US, and other countries, most of which offer one-year PG law program. During the course of their program, they acquire some degree of specialize knowledge and skill in emerging areas of law useful to find a job in a law firm in that country or back in India.
* To become eligible for teaching positions or simply to add another degree to their CV.
* PG diplomas do help acquire some specialized knowledge in given areas of law. Students can obtain it through distance education at a negligible cost and help improve performance in one’s career in administration. Economic sectors, Social work etc.

**Popular specializations**

**Earlier the subject area of choice was;**

* Public law,
* constitutional law,
* international law,
* administrative law.

**Now, the rush is towards private law; including;**

* Business and trade law.
* IPR law,
* Competition law,
* Environmental law and
* Criminal law, comparative law,
* Aviation law, air transport management,
* Medical jurisprudence,
* Labor legislation,
* Corporate law, human rights,
* Taxation law,
* Family law,
* Master’s in aviation law and, air transport management,
* In space and telecommunication laws,
* In security and defense laws,
* Copyright law, regulation law,
* International taxation law,
* Insurance law,
* Patent law,
* Administrative law.

**Copy right**

* Falls under international property rights (IPR). It protects the rights of original inventers, creators, in any field and safeguards their inventions or creations against unauthorized use without prior permission.
* *It involves the registration of copy right with copyright office and protection of the interests of inventor or creator.*
* Students who wish to build a career in this stream can pursue on line courses offered by Word Intellectual Property Organization (WIPO) or Diploma courses in IPR offered by law colleges which teach copyright law as a module.
* Since there are no specific courses for copyright law, students who pursue an internship for a minimum of six months will gain an insight into what the career entails.

**M. Com**

* The Masters degree covers the study of
* Principles accounting,
* Economic theory—micro and macro economics,
* Money and banking systems,
* Business management,
* Trade and export polices.
* In the final year students may opt for a specialization in one of the fields such as statistics, taxation, accounting and finance, etc.
* M. Com. Course is suitable for candidates who want to pursue higher studies and research in this field and can complete their NET-UGC/ JR examinations and assist research work or take up a teaching assignment.
* It is also suitable for those who are keen to pursue chartered accountancy and company secretary ship;
* Those who want to do research in this field can pursue an M. Phil and PhD later.

**Choices galore for PG students**

* M.Com syllabus should ideally be dynamic on a par with the changing scenario, the marketing curriculum especially, needs to be regularly updated and restructured.
* Entrepreneurship: This will help them multiply employment opportunities, opportunities in society and be the catalyst for change in economy.
* CA, CS and CFA, coupled with a PG degree, gives students good option even today.
* Investment management, auditing, tax planning, corporate banking, global banking, corporate governance etc.
* MBA in finance, marketing or human resource.
* E-commerce, fundamentals of computers, business data processing, ERP, software development etc. give an extra edge
* An M. Phil or PhD after completion of a Master’s degree

1. **PG COURSES IN SCIENCE**

**Current research scope in science**

Students intending to pursue PhD programs in science and engineering have a wide range of opportunities in India today’

* over th last decade, there has been a significant growth in the number of programmes that provide support for students to pursue research degrees.
* Entry to research program is facilitated when students qualify through the CSIRNET and GATE examinations, which are conducted on all India basis.
* Opportunities in pure sciences have grown in recent years with the establishment of five Indian Institutes of Science, viz;
* Education and Research located at Pune, Kolkata, Mohali, Bhopal and Thiruvananthapuram.
* The creation of several new IITs and Central Universities has also expanded available research opportunities.
* In addition to universities, both state and central, a large number of National laboratories of the Council of Scientific and Industrial Research, Department of Biotechnology and Department of Science and Technology, admit a number of research students every year.
* Employment opportunities for students who acquire PhD degree are also growing since there is a substantial increase in the number of academic faculty positions, which are available across the country.
* The introduction of DST-INSPIRE Faculty Fellowship Program and the UGC’s Faculty Recharge Initiative provide avenue for post-PhD employment.
* Research areas that appear to be particularly attractive for the future lie at the interface of multiple disciplines.
* Students obtaining Bachelor’s and Master’s degree in a specific subject have a great opportunity to migrate to these inter-disciplinary areas.
* As an example the Indian Institute of Science at Bangalore provides admission to inter-disciplinary programs in the areas of mathematical biology, bioengineering, nanoscience and engineering and energy studies.
* Several rapid expanding areas like neuroscience, earth science and chemical and systems biology can accommodate students from diverse branches of science, engineering and medicine.

**Industry view**

* Traditionally the sectors most active in Research & Development in India have been pharmaceutical, fine chemical and the automotive sector. However, now there is a broader interest across many sectors—from machine tools and cement to electronics and healthcare. There has been rapid growth in multinational R&D labs based in India, along with their Indian counterparts. The number of students wanting to pursue PhD is increasing. This is reflective of the opportunities available for those with a PhD qualification

.

**Master of Computer Applications, MCA, (Delhi University);**

**Duration**: 2 years

**Eligibility**:

* Any Bachelor degree, with at least one paper in
* Mathematical sciences (mathematics, computer science, statistics, operational research), under annual mode
* At least 2 papers in mathematical sciences (mathematics, computer science, statistics, operational research) in semester mode or an equivalent degree.
* At least 60% marks in aggregate at graduation level.
* Candidates who are appearing in final year examination are also eligible to apply.

**M.Sc. Computer Science (Delhi University);**

**Duration:** 2 years

**Eligibility:**

* B.Sc. applied Physical science with mathematics and computer science,
* B.Sc. (general) mathematical sciences(10+2+3) with mathematics and computer science from Delhi University or at least 6papers in computer science and 2 papers in mathematics under semester system.
* More details and Form on;
* Website; <http://cs.du.ac.in/>

**Computers**

* **Super-specialized Computer Science,**
* **Electronics and Communications (with specialization in cloud**

**computing and virtualization technology)**

* **PG in Geo-informatics**
* **M.Sc. in Green technology.**

**Faculty of Medicine & Health Services (PG courses in Medical Science)**

1. **M.Sc. Bio-technology.**
2. **M.Sc. Geo-science,**
3. **M.Sc. Medical Anatomy**
4. **M.Sc. Medical Biochemistry**
5. **M.Sc. Medical Pharmacology**
6. **M.Sc. Medical Physiology**
7. **M.Sc. Medical Microbiology.**
8. **MD Anesthesiology**
9. **MD Biochemistry**
10. **MD Community Medicine**
11. **MD Anatomy**
12. **MD Dermatology, venerology and Leprosy**
13. **MD Forensic Science**
14. **MD General Medicine**
15. **MD Microbiology**
16. **MD Pediatrics**
17. **MD Pathology**
18. **MD Pharmacology**
19. **MD Psychiatry**
20. **MD Physiology**
21. **MD Radio-diagnosis**
22. **MD Respiratory Medicine**
23. **MD Radiology**
24. **Master of Public Health**
25. **Master of Social Works**
26. **MS Obstetrics & Gynecology**
27. **MS Ophthalmology**
28. **MS Otto-Rhino-Laryngology**
29. **MS Orthopedics**
30. **MS General Surgery**
31. **MS Medical-anatomy**
32. **Ultra Sonography- 4D (Institute of Public health & hygiene, 011-26782850)**

**Faculty of Physiotherapy**

1. **Master of Physiotherapy** (cardiopulmonary)
2. **Master of Physiotherapy (Neurology)**
3. **Master of Physiotherapy (Orthopedics)**
4. **Master of Physiotherapy (Sports)**
5. **Master of Physiotherapy (Community Rehabilitation)**
6. **Master of Physiotherapy (Gynecology & Obstratics)**
7. **Ph.D. Neurology**
8. **Ph.D. Cardiology**
9. **Ph.D. sports**

**Faculty of Nursing**

1. **M.Sc. (Child-health--Pediatrics Nursing)**
2. **M.Sc. (Obstetrics’ & Gynecology)**
3. **M.Sc. (Psychiatric—Mental Health)**
4. **M.Sc. (Medical—Surgical Nursing)**
5. **M.Sc. (Community Health Nursing)**
6. **Ph. D. Nursing**

**Faculty of Health Allied Sciences**

1. **Master of Optometry**
2. **M.Sc. Nutrition & Dietetics**
3. **M.Sc. Radio-imaging Technology**
4. **M.Sc. Operation Theatre Technology**
5. **M.Sc. Medical Lab technology**
6. **M.Sc. Micro-biology**
7. **PG Diploma in MRI**
8. **PG Diploma Ct Scan**
9. **Ph.D. Nutrition & Dietetics**

**M.Tech.**

1. **M.Tech.** **Nuclear Engineering**
2. **M.Tech. Aerospace**
3. **M.Tech. Oil and Gas, Energy & Power—**2years, NIMS University, jaipur.
4. **M.Tech. Civil Engineering**
5. **M.Tech. Computer Science & Engineering**
6. **M.Tech. Electronics & communication Engineering**
7. **M.Tech. Mechanical Engineering**
8. **Master of Computer Application (MCA)**

**Advanced Engineering**

1. **PhD. Computer Engineering**
2. **PhD. Computer Science & Engineering**
3. **PhD. Electronics & communication Engineering**
4. **PhD. Mechanical Engineering**

**Master of Dental Surgery and Ph.D. in Dental Science**

1. **Conservative Dentistry & Endodontic**
2. **Oral & Maxillofacial Surgery**
3. **Oral Medicine & Radiology**
4. **Oral Pathology and Microbiology**
5. **Prosthodenties and crown and bridge,**
6. **Periodontolology,**
7. **Conservative dentistry,**
8. **Orthodontics and Danto Facial Orthopedics**
9. **Public health and dentistry,**
10. **Paedodentics and preventive dentistry,**
11. **Master of Pharmacy**
12. **Ph.D.**

**Business Administration**

**Business Administration**

**Management (MBA and further studies in India and abroad)**

1. **MBA (and advance study)**
2. **MBA Health Care Services**

**(011-26782850, 26788314, 26786847, 9811817972,9654513469)**

1. **MBA (Supply chain and logistics)**
2. **MBA Hospital Administration**
3. **MBA Economic Legislation**
4. **Management Studies**
5. **Managerial Economics**
6. **Quantitative Technique I & II**
7. **Master ob Business Economics**
8. **M.phil (Management/Administration)**
9. **PhD (Management and Adminisraion)**

**Foreign destinations**

* Though studying in a foreign country can be an enriching academic experience, it is imperative that student select the right program and country. (a complete guide is compiled separately).
* Name of country
* Names of its Universities
* Duration of the course
* Eligibility criteria
* Information regarding the start of session
* Information regarding expenditure
* Financial assistance
* Assistance for getting admission

**EDUCATION COURSES**

**Education Courses**

* **Teachers’ training (B. Ed; M. Ed; M.A. (education and research in Education)**
* **Diploma in Elementary Education (100)**
* **Education management.**
* **Sports and Sport education**

**(D.P. Ed, B.P.Ed, M.P.Ed, *Delhi, Lucknow* )**

* **DIET**
* **Educational/vocational School Counselor**

1. **Montessori Teaching (109)**
2. **Technical Education**

**Integrated Courses**

* **B. Pharma+ MBA (Dual Degree—NIMS University)**
* **BCA+MCA—5 years..**
* **B. tech+ MBA ……….. 5 years**
* **B.Sc. + M. Sc ………….. 5 years**
* **B. Sc+ Agriculture + Food- business ……. 5 years**
* **BBA+MBA (Integrated)------(all above…NIMS University, 09571703917, 09829051020)**

**JOB OPPORTUNITIES AFTER UG & PG**

**Civil Services, IAS, IPS, IRS, IRS, etc--Conducted by (UPSC)**

**Civil services Examination**

It is a nationwide competitive examination in India conducted by Union Public Service Commission for recruitment to various Civil Services of Government of India including Indian Administrative Services (IAS), Indian Foreign Services (IFS), and Indian Police Services (IPS)

**UPSC Examination:** it is conducted in three phases – a Preliminary Examination consisting of two objective-type papers (General Studies Paper I. and General Studies Paper II also popularly known as Civil Services Aptitude Test CSAT) and a main examination consisting of nine papers of conventional type (essay type), in which two papers are qualifying and only marks of seven are counted followed by a personality test (interview)

**Process:** The Civil Service Examination is based on the British Raj-era Imperial Civil Service tests conducted by old Indian Empires such as in the Maryann Empire and Munhal Empire. It is considered to be one of the most difficult competitive examinations in India. on average, 9,00,000 to 10,00,000 candidates apply every year and t+he number of candidates sitting is approximately 5,00,000.

**Stage I:**

**Preliminary Examination** held in June every year **results** are published in mid August

**Stage II: Mains**

* Examination held in October every year. Results are announced in January.
* Personality test (interview) - held in March. Final results are usually announced in May.
* The training program for the selected candidates usually commence the following September.

**Eligibility**

* Must be an Indian Citizen
* A Citizen of Nepal or Bhutan
* A Tibetan refugee who settled permanently in India
* A person of Indian of Indian origin who has migrated from Pakistan, Myanmar, Sri Lanka, Kenya, Uganda, Tanzania, Zambia, Malawi, Zaire, Ethiopia with the intention of permanently settling in India.

**Educational Qualification**

* A degree from central, state or a deemed university
* A degree received from correspondence
* A degree from an open university
* A qualification recognized by the Government of India as being equivalent to one of the above.
* Candidates who have appeared in ann examination the passing of which would render them educationally qualified enough to satisfy one of the above points.
* Candidates who have passed the final exam of the MBBS degree but have not yet completed an internship.
* A degree from a private university
* A degree from any foreign university
* The candidates who have passed the final exam of ICAI, ICSI, ICWAI

**Age limit (August, 1)**

* 21 years to 32 years – for general category
* 37 – for SC/ST
* 40 years – for defense service personals disabled in operation during hostilities.

**Number of attempts**

* General category – 6
* OBC ------------------ 9
* SC/ST ----------------- no limit till 32 years
* Appearing to attempt one of the papers in the preliminary examination is counted as an attempt including disqualification/ cancellation of candidature
* However, applying to sit in the exam but, failing to attend is not counted as an attempt.

1. **Army, Navy**
2. **Detective (102)**
3. **Flight Attendants (Cabin crew)**

**JOINING THE INDIAN AIR FORCE (Combined Defense Service Exam)**

Eligibility: Bachelor’s in any stream with Math and Physics in Class 12th.

No minimum percentage is specified.

19-23 years age

Only men are eligible

CDS is conducted twice a year (February and August)

Notification appears on the official UPSC Website (<http://careerairforce.nic.in>) as well as in leading dailies and Employment News

**Flying Officer (Pilot) through Short Service Commission**

**Eligibility:**

* Tech. with 60% marks
* 19-23 years
* Only men

**Notification in December and June in Employment News and National Dailies.**

**Direct Entry Scheme as a Flying Officer:**

* Eligibility for Flying Officer is Aeronautical Engineers (electronics) is a B.Tech. with 60% marks.
* 18-28 (if married)---18-25(if unmarried)
* Both men and women are eligible.
* Notification in December and June in Employment News and other national Dailies.
* Aeronautical Engineering deals with Developing. Constructing, Designing, Maintaining and Operating missile and military aircrafts.
* Computer technology is used to enhance the learning process
* Aeronautical Engineering also involves the aerospace Engineering dealing with both aspects of Spacecraft and Aircraft

**Police.**

* **Age—18 to 21 years**
* **Qualifications—**10+2 (from a recognized institution)
* Height—minimum 170 cm
* **Chest**: minimum 81cm to 85 cm (with minimum expansions of 4 cms.)
* **Sub-inspector in DP.**
* **Qualification:** Graduation
* **Selection:** through Staff Selection Commission (SSC) through graduate Level **Examination under central armed police forces** (CAPF) which covers all the Para Military Forces of the Country.

**Career opportunities available in DP**

* Constable
* Ministerial cadre
* Sub-Inspector
* Assistant Commissioner of Police

Recruitment 2019,

Notification—15000 vacancies

Form, apply on line: www.delhipolice.nic.in

10th pass and 12th pass

Age: 18—30 years

All details are available at official website:

delhipolice.gov.in

delhipolicerecruitment.nic.in

height: minimum 165 cm.

chest: minimum: 76 cm (unexpended) &80 cms expended

1. Physical Standard Test (PST)
2. Physical Efficiency Test (PET)
3. Written Examination (OMR based or CBT based)
4. Personal Interview (PI)
5. Document Verification (DV)

**They are required to appear for physical examination, written test and intervie**

**Pilot**

**Introduction**

* To become a Commercial Pilot, one must possess CPL (Commercial Pilot License).
* This license is issued after a candidate clears the training program from an institute recognized by Civil Aviation Authority of that country, DGCA in case of India.

**Qualifications**

* 10+2 (PCM)
* Minimum marks: 50%

**Fitness Standards**

* A commercial Pilot has to be fit physically and mentally.
* That’s why during the selection process, lots of emphasis is laid on the medical status of the candidate.
* Here are some medical standards set by authorities, which interested candidates have to satisfy in order to get selected into CPL training program;

1. **Class I Medical certificate is needed before joining the CPL.**
2. **Eyesight specifics—one eye has to have perfect eyesight, without any defects (6/6). It is allowed to have certain imperfections in the eyesight of the other eye (6/9)**. **But, this imperfection should be corrected to 6/6.**
3. **Candidate must not have any serious physical deformity. Also he/she should not have any kind of mental disorder, or any history of having such mental illness.**

In case you have passed 12th Science, you may join the CPL training program if you meet the above mentioned educational and medical standards. You may approach private institutes, fill forms and get started.

Most institutes have a **Pilot Aptitude test,** which a candidate must clear, in order to get selected. The Aptitude test is a **3 stage process** comprising of

1. **Written Examination**
2. **Interview** and
3. **Aptitude Test.**

* The written examination deals with subjects like, **Mathematics, Geography, General Knowledge, English Skills etc.**
* Candidates who manage to clear these two stages are called for the third stage. **Medical examination** is conducted.
* Finally, a merit list is prepared, based on the performance of candidate in each stage of the selection process as well as the medical examination.
* Based on merit, deserving candidates will be selected and trained to become Commercial Pilots.
* Once selected for the CPL training, students with no prior flying experience are given Ab initio CPL training.
* The duration of the entire program may vary from one institute to another.
* On an average, it could last anywhere between 15—18 months
* Most flying schools offer combination of **ground Training** and **Flying Training. Simulator Training** is also given to candidates.
* Ground Training consists of subjects like Air Navigation, Aviation meteorology, Air Regulations, RTR, Aircraft General and technical knowledge.
* Flying Training, at first, will be supervised. A flight instructor will assist and guide the candidate at start.
* To obtain the CPL, a candidate must complete **200 hours** of flight time. This flight time is usually made up of time; as pilot in command; instrument time and flight time by night.
* After clocking the required flying hours, one may apply for CPL.
* After passing the exam held by DGCA (subjects are –Air navigation, Air regulation, Aviation Meteorology, Aircraft technical & General Knowledge and Aircraft Specific Knowledge), successful candidates will be awarded the **CPL.** Passing marks or percentage for these exams held by DGCA are 70%
* Once a candidate completes the training and has the CPL he/she may apply for job at commercial airlines or charter companies.
* But, possessing CPL is not the end of it!
* After getting CPL, you may also have to spend money for type rating.
* Based on the airline that you join and the aircraft you will fly, you will be given specific training (keeping that aircraft in mind). You will be asked to pay expenses of this **type rating** by the airlines.
* Airlines these days prefer pilots possessing the **ATPL** (Airline Transport Pilot License).
* For possessing the ATPL, candidates must have at least 1500 hours of flight time under his/her belt.
* He/she also has to pass 4 of the exams mentioned above.

**Current trends in the insurance Sector:**

* According to the Insurance regulatory and development Authority, the premium collected by Indian Insurance increased substantially during last couple of years.
* The Indian insurance industry is bifurcated into many segments, due to which there is an abundance of jobs for graduates.
* It has 52 insurance companies, of which24 are in “Life Insurance” business 28 are non-life insurer.
* Stakeholders in the market include agent (individual and corporate), brokers, surveyors and third party administrators serving health insurance claims.
* Additionally with various innovations catering to the market need, newer jobs are constantly on offer.
* For instance, traditionally, the areas covered under insurance included ,life insurance, pensions and education plans for children.
* However, people can now insure their weddings (against cancellation) as well.
* Beside core insurance functions, there are various job opportunities for fresh candidate in areas such as sale, operations, IT and finance.
* Opportunities that require candidate to identify new channels for expanding insurance and strengthening the existing channels also exist.
* A bachelor’s degree is a minimum requirement to be eligible for insurance kob in India.
* More importantly what companies look for in graduates is a knack to sell.
* Most companies however, conduct an orientation for fresh recruits to acquaint them with how the industry functions and train new employees in the fundamental skillsthey would need on the job.

**Master of trade (Stock brokers)**

* Stock brokers are involved in buying and selling shares for clients for a commission.
* There are some big brokerage firms, however, who do not restrict themselves just to shares. They offer mutual funds, insurances, currencies, and other financial products as well.
* Fresh Graduates/post-graduates get jobs as assistant relationship managers (ARMs) and relationship managers (RSM).
* They are required to be in constant touch with the clients, inform them of market movements and advise them on the amount of risk they should take.
* Becoming a sub-broker or a franchise of a big brokerage company is an option.
* As a sub-broke you will need to deposit a certain amount of money depending on the volumes you plan to handle.
* It is not easy to become a full-fledged broker, as the card which allows you to trade is quite expensive.

**Getting there**

* Most brokerage firms hire ARMs and RMs from noted MBA institutes.
* In addition to your business degree, you could arm yourself with certificates such as National Stock Exchange’s certification in financial markets and the Bombay Stock Exchange certification on derivatives exchange.

**Institutes and ORLS**

* BSE Training Institutes Mumbai ([www.bseindia.com](http://www.bseindia.com))
* National Stock Exchange Mumbai (nseindia.com)
* Institute of Company Secretaries of India, New Delhi ([www.icsi.edu](http://www.icsi.edu))
* Institute of Chartered Accountants of India, ND ([www.icai.org](http://www.icai.org))
* **Skills/traits**
* You should understand the pulse of the Sensex and Nifty.
* Trust and integrity, otherwise you can hurt the client’s prospects and the Company’s reputation.
* You deal with people’s life savings, so giving the right advice is critical.

**Pros and cons**

* The Stock Market is directly connected with economic growth, so higher GDP means higher salaries.
* One mistake can cost clients heavy, so pressure is high.
* The work can affect family life.

**The payoff**

* A relation manager with an MBA in finance can draw 6 lakhs or more depending on the firm.
* Non-finance RMs earn less.
* A good RM can rise to become a team leader, a zonal manager of a branch.

**Cluster Innovation Centre (CIC)** [**www.cic.du.ac.in**](http://www.cic.du.ac.in) **or www.du.ac.in**

UG admissions. (B.Tech; BS innovation with Math; B.Tech. Humanities)

A flagship centre of university of Delhi started in 2011, with the aim of inter linking academia, society and industry through innovative activities offer undergraduate programmes B.Tech; BS innovation with Mathematics; and IT and B.Tech humanities (under Meta College concept)

Students enrolled in any of the regular courses at the University are eligible to apply for admission to the B.Tech/BS innovation in Mathematics and IT.

To apply for B.Tech. humanities, a student needs to be enrolled in any programme of study in any college, School of Open learning or Non-Collegiate Women’s Education board. The enterence examination forms are available since mid June of the academic session.

Admission to these courses is through a written exam followed by an Interview of the short listed students. Forms can be taken from CIC or downloaded from the web site.

**What is DAIRY Management?**

We love all the things milky, be it ghee, paneer. khoya, butter and various other milky products. So, it is not surprising that India in one of the largest producers in the world.

Whereas the Dairy technology is concerned with obtaining and processing milk and milk products Dairy management involves the principles and processes for managing the dairy industry. Dairy management professionals manage the entire gamut of activities involved in processing milk into diverse products besides its transportation and distribution etc. in recent years, the inclusion of technology and management principles in the dairy sector has made it more professional, setting the stage for dairy management professionals.

* Dairy technology and management courses are offered in many universities (mostly agricultural universities) in the country.
* 0These are designed to equip students with basic knowledge of production, design and management of the industry.
* The curriculum covers areas such as entrepreneurship, involving milk conservation, dairy processing and farm management as well.
* Standalone courses in dairy management are relatively fever.
* The principles of dairy management typically are covered in PG level programs in Dairy engineering and dairy economics.

# AGRI-FORCE

# Indira Gandhi National Open University (IGNOU) school of Agriculture offers a six-month post-graduate certificate program in agriculture policy to develop human resource for planning, development and implementation of National policies in agriculture.

# The program, which is also offered on line ()[www.ignouonline.ac.in/soa](http://www.ignouonline.ac.in/soa)), covers various aspects essential for policy formulation to achieve overall economic development of the country. The curriculum addresses the factors related to the agriculture development process in India, farmers’ plight, their intellectual property rights issues in case of plant breeding and others, and research opportunities.

**EARTH SCOPE**

* Earth science is the broadest in scope among the natural sciences.
* Brock (land), ocean, air and living organisms interact through physical, chemical and biological processes that move materials and energy on the Earth.
* This subject thus gives full understanding of the natural world we live in.
* Geo-sciences address ideological challenges and social issues.
* Vital industries like oil and mining need interaction with geoscientists for their developments.
* Hence, there stands a need to build strong departments of Earth science with sustained leadership.

**Subject Areas**

* Geosciences falls under three categories

1. Academic/research (for example, understanding origin and distribution of resources).
2. Developmental (making roads, bridges, dams etc.).
3. Awareness (global warming, climate, water and environment).
4. **Academic scenario**

* The subject is offered after 10+2, although some knowledge about rocks, fossils and environment is integrated into general science courses in schools.
* Standardized tests for colleges do not list geosciences.
* In some universities, the subject is introduced at the undergraduate level with other science subjects.
* Postgraduate education in earth science leads to an M.Sc. in Geology /Geo-physics.
* IITs at Kharagpur, Mumbai, Roorkee and Bhubaneswar have full flagged departments of earth sciences where admissions are made on the basis of JEE results.
* Earth science is a part of BS-MS five year duel degree programme in some of the recently-established IIRSER (Indian Institute of Science Education and Research), particularly in Kolkata, Mohali and Theruvanathapuram.

# Off-beat careers

# Generation today, have a pool of options to choose from depending upon their interest, skills and personal characteristics. Some people are not comfortable for the traditional careers and work place. They have a desire to do something different from the regular ones. Unconventional careers are becoming more and more popular with majority of individuals opting for these challenging opportunities with a will to make an impact in this ever changing and growing world.

# Considering various occupations, there will be a significant amount of growth between now and coming next 10 years. Let us look at some interesting careers which are paved by the passion of the out-of-the-box thinkers.

# Cartoonist

# Cartoon Animators are generally required to have a bachelor’s degree in animation, graphic design or fine arts with certain skills and practical experience. Cartoon animators work in the entertainment, design and advertising industries. These professionals combine their drawing skills with art techniques to create television shows, animated commercials, and other products. A bachelor’s degree is usually required in order to become a cartoon animator, and most employers require submission of a professional portfolio as well.

# Calligrapher:

# Calligraphy is a visual art, but one who is dedicated solely to the creation of text. It is in high demand in the areas such as wedding stationery; font and logo design;and even for the creation of inscriptions and historical documents. In fact as we move towards a world where ever increasing amount of text appear online, the hand written word seems to be more highly celebrated than ever before. *The word calligraphy is formed from two Greek words, ‘kalli’ i.e. beautiful and ‘graphy’ means writing.* “The beautiful writing”.

# System Analyst

# Most employers require system analyst to have at least a bachelors degree in computer system analysis, computer science, computer information systems, management information systems, business intelligence and the similar fields. they are the big thinkers in IT. These professionals analyze an organization’s current computer systems and procedures, and recommend strategic changes to increase productivity, reduce costs and accomplish other business goals. The system analyst’s prime directive is to maximize the return on investment (ROI) of an organization’s IT spends.

# Food blogging

# Food blogging represents a complex interweaving of “foodie” or gourmet interest in cooking with those of blog writing and photography. The majority of blogs use pictures taken by taken by the author himself/herself and some of them focus specially on food photography. There are different types of food blogging. Bloggers cook extensively; and from a blog that documents highly authentic recipes or experimental food or just about anything that one is cookin

# Jewelry designer

# Becoming a jewelry designer give you the freedom to express yourself creativity, and share your designs with the world to enjoy. You have the opportunity to be self employed or work for reputable jewelers. It is your choice to learn the trade through on-the-job training or gain formal training at a school. This job is perfect for driven people who need a way to share their creativity and style others.

# Fitness experts/personal trainer

# There are thousands of people who are passionate about health and fitness and considering a career change. It ia a better option, if they have a degree and they know or learn about the biochemistry, anatomy and exercise physiology. Getting a certificate as a personal trainer may be the other option. Unlike in certain other fields, there are no predetermined paths in fitness. In other words, there is no single or obvious path to becoming a successful health and fitness coach. But, you can create your own unique path to the dream job you want.

# Travel planners.

# If you want to start a successful independent travel agency

# Connect with a host agency. One of the best tips is to connect with a host agency to begin a career as an independent travel agent.

# Make sure that you get the necessary training

# Develop a Niche Market.

# Become the expert

# Give your customers the service you may want for yourself.

# Skin-care specialist: A Cosmetology Education

# As an inspiring skincare specialist or esthetician, you need an education, but not a traditional college degree like an associate’s, bachelors or master’s degree. Instead you will need specialized training in the field of professional skincare training school.

# Athlete trainer

# An Athlete-trainer requires a bachelor’s degree or preferably a master’s degree in athletic training.

# Gaining of experience is recommended

# Obtain certification and licensure

# Degree level: bachelor’s or master’s

# Degree field: Athletic training

# Training/experience: clinical field training constitutes experience for entry-level positions.

# Certificate: enquire, if a certificate is required

# Key skills: Decision making; communication; interpersonal skills; detail oriented; compassion

# Some of the occupations listed above require years of training and experience. Those who join these professions after 10+2 can easily make the way into any of these careers and find as the experience grows, provided there exists a zest for it. In other careers a UG or PG degree is required.

**Top 10 Business Schools/Institution in India**

1. **IIT------------Amedabad**
2. **IIT-----------Kolkatta**
3. **IIT------------angalore**
4. **Xavier labour Relations Institute--------Jamshedpur**
5. **Indian Institute of management----------Lucknow**
6. **IIM-----Kozhikode**
7. **Management Development Institute------Gurgaon**
8. **Faculty of Management Studies-------University of Delhi, Delhi**
9. **Amity Business School, Noida**
10. **Pri. LN Welingkar Institute of Management Development and Research, Mumbai**

**Rank--12. Jumnalal Bajaj Institute of Management studies, Mumbai (Rank-12)**

**Rank--13. Indian Institute of Foreign Trade, Delhi (Rank-13)**

**Rank--18. International Management Institute, Delhi (Rank-18)**

**Rank--19. Institute of management Technology, Ghaziabad (19)**

**Rank--28. Institute of Management Studies, Ghaziabad (28)**

**Rank--32. Delhi School of Management, Delhi Technological University (32)**

**Rank--35. FORE School of Management, Delhi (35)**

**Rank--37. Department of Management Studies, IIT (37)**

**Rank--48. Lal Bahadur Shastri Institute of Management, Delhi (48)**

**Rank--49. Faculty of Management Studs, Manv Rchna Intitutional Univrsty, Faridabad (49)**

**Rank--50. Jagan Institute of Management Studies (JIMS), Rohni, Delhi (50)**

**B.Tech Colleges in Delhi**

* **IIT Delhi**
* **Netaji Subhash institute of Technology, New Delhi.**
* BE in Computer Engineering……………….. 1.41 lakh/annum
* BE in Information Technology ……………..……………..do…..………... .
* BE in Electronics & communication Eng..…………….do………………....
* BE in Bio-technology………………………………………..….do…….......
* BE in Instrumentation and Control Eng. ………….…..do…………………
* BE in Manufacturing Process & Automation Eng….do…..………………..
* BE in Mechanical Eng…………………………………………..do…...…..
* **National Institute of Technology**
* **Ambedkar Institute of Advanced Communication Technologies & Research**
* B. Tech in Computer Science
* B. Tech in Electronics & communication Eng
* B. Tech in Computer Science & Eng (lateral entry)
* B. tech in Electronics &Communication Eng (lateral entry)
* **Bhagwan Parshuram Institute of Technology, New Delhi**

**(affiliated to Guru Gobind Singh Indraprastha University)**

* B.Tech Computer Science &Engineering, 120 seats
* BT in Elec. & Commu. Eng. 120 seats
* BT in Elect. & Electronics Eng 60 seats
* BT in IT, 60 seats
* **Northern India Engineering College, ND.**

**(affiliated to Guru Gobind Singh Indraprastha University)**

* BT in Civil Engg, 120 seats, 44,000/annum
* BT in Mech & Auto Engg (2nd shift also) seats 180, Rs.44,000/annum
* BT in Com Science & Engg seats 120, Rs. 44,000/annum
* BT in Electronics & Communication Enngg. Seats 180, Rs.1.02/annum.
* BT in Ele & Electronics Engg seats 120, Rs44,000/annum
* BT in IT seats 120, Rs.44,000/annum
* BT in Electronics & Communication (2nd shift), seats 60, Rs. 44,000/annum
* Bt in Ele & Electronics (2nd shift) seats 60 Rs.44,000
* BT in Mech Engg, seats 60 , Rs 44,000/annum
* And many more
* **Jamia Hamdard, ND**
* BT in Food Tech seats 30, Rs. 37,000/annum
* BTin Comp SC & Engg Rs. 37,000/annum
* BT in Electronics & Communication
* **Inderprastha Institute of Information & Technology, ND (11 courses)**

**(affiliated to Guru Gobind Singh Indraprastha University)**

* BT in Comp Sc. & Engg seats 110, Rs.1.17,000/annum
* BT in Elecs & communication seats 80, Rs.1.17,000/annum
* 9 more.
* **Ch. Brahmprakash Government Engg.College (6 courses of 4 years each are offered)**
* BT in Civil (lateral entry also)
* BT in Environmental Engg.(lateral Entry also)
* BT in IT (lateral entry also)
* **Delhi Institute of Tool Engg.(DITE)**

**(affiliated to Guru Gobind Singh Indraprastha University)—5 courses offered**

* BT in Mechatronics. Rs. 60,000/annum
* BT in Tool Engg. Rs.60,000/annum
* And others
* **JMI. Jamia Nagar**
* **Centre for Civil Aviation Training (CCAT), ND**

**(Approved by DGCA)**

* BT in Aircraft Maintenance Engg Rs. 85,000/annum
* BT in Aeronautical Engg Rs.79,000/annum
* BT in Aircraft Maintenance Engg. Rs.85,000/annum

**CAT**

**(Aspirants should make planned efforts to maximize their chances of success)**

The common admission test (CAT) is a computer based test held in India… the Indian Institute of Management (IIMs) started this exam and use the test for selecting students for their Business Administration Programs. The test is conducted every year by one of the IIMs based on the policy of rotation.

* CAT aspirants should make planned efforts to maximize their chances of cracking it.
* The first task of any aspirant is to complete the basics in all the test areas at the earliest possible but preferably not later than 30 days before they take the CAT.

**Basics include**

**Quantitative Ability:**

Quant:

* arithmetic, basic algebra, geometry and mensuration, and modern maths

Data Interpretation:

* Tables, line, bar and pie charts, routes and networks etc.
* After the basics students should focus on solving questions that require application of the knowledge under severe time pressure.
* They should also practice to built skills in using alternative methods to solve questions like option judging, elimination of unlikely options, substitution of numerical values etc.
* They should also build speed by solving questions using mental calculations and visual observation.

**Verbal ability**

Logical Reasoning:

* Calendars, clocks, cubes, syllogisms, Conditional Statements, Venn Diagrams, Maxima-Minima, Binary Logic, Games and Tournaments, Logic Puzzles, etc.

**English Grammar basics:**

* Reading, comprehension (RC)- reading on various different subjects on line.
* Vocabulary: consulting the dictionary regularly to know the contextual usage of unfamiliar words/usage.
* Data interpretation and logical reasoning areas are skill-intensive.
* Hence practice and more practice will help you to sharpen your skills.
* Verbal areas require you to have strong fundamentals in grammar.
* A good vocabulary and a varied reading habit are a must to do well in RC.
* This is also an area where you may get into trouble due to more wrong answers and negative marks, so you have to be on your guard.
* Once your basics are more or less in place, you should take plenty of mock tests that are similar to the CAT and are taken by a large number of students.

**Mock tests play a crucial role in**

* Understanding your relative strengths and weaknesses vis-à-vis other test takersso that you can work on the same and improve.
* Fine tuning your time management and question identification skills that help you to attempt maximum possible questions.
* Understanding the reasons behind your mistakes so that you do not repeat these again.
* Developing stamina and temperament for a 140-minute computer based CAT.
* Use the last one month before the CAT to take and thoroughly analyze your performance in each mock test so that you are ready to take the actual test confidently.

**On line course for free**

* [www.courser,org](http://www.courser,org)
* [www.udacity.com](http://www.udacity.com)
* [www.edx.org](http://www.edx.org)
* [www.ietsintern.com](http://www.ietsintern.com) (intern in the field of your choice)
* [www.hellointern.com](http://www.hellointern.com) (intern in the field of your choice)

**Gap year**

* Taking a year off gives the freedom to experience different fields.
* Make a list of all the things you find interesting and priorities.
* Make a proper schedule for the day for maximum utilization of time.
* Join an online course for free.
* For intern ship opportunities visit any of the above web site.
* Pursue a hobby of your choice.
* Travel and meet the people from varied background.

**CMAT: THE SECOND MOST IMPORTANT TEST AFTER CAT**

* The common Management Admission Test (**CMAT**) conducted by All India Council for Technical Education, has become the second most important test after the CAT for MBA aspirants.
* First conducted in Feb, 2012 CMAT is a computer based multiple-choice, objective-type test that takes place twice a year. As per the latest XAT exam pattern, the exam will be on line based with a time period of 3.5 hours. From academic year 2020-21 onwards, the CMAT exam will be conducted only once a year in January.
* CMAT has replaced a large number of state entrance tests in states such as U.P. (UPSEE), Kerala, Maharashtra (MCET), Rajasthan (RMAT) etc. scores will be used by more than 2000 B-schools in India including top b-schools like Jamnalal Bajaj, Mumbai.
* CMAT is a 180-minute test having 100 questions divided into 4 sections;

1. Legal reasoning
2. Verbal ability
3. Numerical ability- data interpretation
4. General awareness

* Each section includes 25 questions, each with 4 options, the right answer will get you 4 marks while 1 mark is deducted for each wrong answer.
* While CMAT syllabus is similar to CAT, except general awareness.
* It is perceived to be relatively easier test than the latter.
* Good preparation for general awareness is a must to get a good score.

**EXAMAMS REQUIRED TO STUDY IN US**

**SAT**

Introduced in 1926, its name and scoring have changed several times

* **Originally called: Scholastic Aptitude Test,** later
* **Scholastic Assessment Test:**
* **Then SAT reasoning Test,** and now simply the **SAT.**
* It is needed for admission to most US Colleges.
* A few colleges in Singapore and Canada.
* SAT consists of **writing, critical reading,** and **Math.**
* Maximum score for this exam is 2400.
* A separate writing section on 12 is also a part of the exam.
* You can take the SAT as many times as you like and send only your best score.
* To register for SAT visit, [www.collegeboard.com](http://www.collegeboard.com)

**TOEFL**

* **T**est **O**f **E**nglish as a **F**oreign **L**anguage.
* An under graduate and graduate exam needed by almost all students who wish to study abroad.
* Designed to measure the English proficiency of non-English speaking people
* Divided into 3 sections, it tests the reading, listening, writing and speaking skills.
* Although the exam is primarily needed by US universities, many universities in UK and Canada recognize the TOEFL.

**GMAT**

* It stands for **Graduate Management Admission Test.**
* Needed for admission to almost all top business schools.
* It consists of English and Math and tests the analytical and logical skills.
* The sections of the exam include verbal and quantitative reasoning, analytical writing and a recently added integrated reasoning sect ion.

**GRE**

* **GRE** stands for **Graduate record Examination.**
* It is needed for admission to most non-business programmes in the US.
* Some institutes in UK (such as London School of Economics) also need the GRE.
* Many business schools around the world have now begun to accept the GRE.
* The section of the exam include xerbal and quantitative reasoning and an analytical writing section. Maximum points for the exam are 340 and most top graduate schools expect candidates to have scores over 320 to be considered for admission (writing section is scored separately for 6). Students can log on to [www.gre.org](http://www.gre.org)

**AP**

* **AP** stands for Advance Placement
* These are the tests that allow a person to get college credit for taking(and passing)the test.
* They are put out by a company called the college Board.
* It is the same company that puts out the **SAT** test.
* A score of 3 or higher is generally considered good and 5 is especially impressive since it is the highest score.
* It comprises university level courses and exams, which can be taken by secondary school students to prepare for university level study in 34 subjects.
* More than 18,000 schools in 115 countries offer the AP courses and exams, where students can take college-level courses while they are still in school.
* They are better prepared for college, especially because they develop critical thinking skills through these courses.
* A student must be under 21 years of age at the time of exam.

**Curricular Practical Training (CPT)** lets you take advantage of working full-time in a professional organization during vacations or for a semester or two during your degree closely supervised by teaching faculty.

**Optional Practical Training (OPT)** allows you to work in US for the duration of 12 months in the area of your specialization after the completion of your degree. Students graduating in science, technology, engineering and math(STEM) may extend OPT up to an additional 17 months.

In addition to CPT and OPT, students on the F1 visa are permitted to work on campus for 20 hours per week.

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**“TIME”**

**“Time” waits for no one**

**“Time” stops for no one**

**Your excuses will not slow “Time”**

**Your indecisions will not delay “Time”**

**Tour complaining will not stall “Time”**

**Your regrets will not turn back “Time”**

**So, don’t waste your “Time” in anger, regrets, worries and hate**

**Because “Time” will not turn back and cry along with you**

**It’s “Time” to let go of the past and stop worrying about the future**

**Your only “Time” is now**

**So, make sure you spend your “Time” with the right purpose,**

**With the right deeds,**

**With the right emotions,**

**With the right thoughts,**

**And with the right people**

**“Time” flies! That’s a fact**

**But you can always spread your wings and soar with “Time”**

**And navigate life the best that you can**

**Remember, you will never pass a route again**

**Make it count--“Time”. Do what it does—keep moving.**