CAREER OPTIONS,

AFTER 10th &

12th

HUMANITIES,

COMMERCE, SCIENCE,

ITI AND POLYTECHNICS

**Industrial Training Institutes (ITI)**

ITI Courses available in Delhi.

1. Carpenter ….. I year, VIII pass,14—40 yrs. (8 institutes)

* Shadra (vivek vihar),
* Malviya Nagar
* Nizam ud din
* Khichripur
* Nand Nagri
* Pua
* Tilak Nagar
* Subzi Mandi

1. Computer operator and Programming assistant …. 1 year (30 institutes)

* Don Bosco, okhla, jamia Nagar, 011-26838121,
* Akshine Industrial Training Centre, 1449/2, 100 feet Road, Durga Puri Shadra
* Baba Saheb Ambedkar Technical Education Society, ITC, Vikas Puri, plot No.13- B.Bodhella Village, Vikaspuri, 011-28532901, 28532959.
* Ch. Brraham Prakash ITI, Jafferpur
* Govt ITI, Khichripur
* ITI Malviya Nagar
* ITI Nand Nagri
* ITI Nizam ud din
* ITI Pusa, ITI Tilak Nagar,
* And many more

1. Cutting and sewing …. 1 year (46 institutes)

* Anurag Industrial Training; Arwachin Bharti Bhawan Sen Sec School, C-Block, vivek Vihar
* Asha Sadan Cutting and Tailoring Centre; najaf Garh, ND-43
* Ch. Brahm prakash ITI Jafferpur
* ITI (w) Morigate
* ITI (w) Water Tank; Near Water Tank, Tilak Nagar; 011-25995158, 25997035
* ITI Jahangirpuri
* ITI Khichripur
* ITI Malviya Nagar
* ITI Nand Nagri
* ITI Nizam ud din , Pusa. Shadra, Subzi Mandi,
* Tilak Nagar,
* Many more

1. Draughtsman civil …. 2 years

* 17 Institutes

1. Draughtsman mechanical…. 2 years

* 11 Institutes

1. Electrician …. 2 years (20 institutes), X pass science, 14-40 years

* Don Bosco
* Ch. Brahm Prakash, Jaffarpur
* CRPF Industrial training Centre, CRRF Campus, Wazirabad, north East Delhi-94.
* BABA Sahib ambedkar Technical Education Society, vikaspuri
* Delhi Police Industrial Training Centre, Wazirabad, ND.
* DN Lal Sharda Private Industrial Training Institute, Near Metro Pillar 860, Dwarka Sector-16, ND.
* ITI Jahangirpuri, Khichripur, Malvia Nagar, Nand Nagri, Nizam ud din, Pusa, Shadra, Sabzi Mandi, Tilak Nagar, Narela,
* Many more.

1. Electronic Mechanic.. 2 years, (19 Institute)

* Govt Industrial Training Institute(W) Morigate
* ITI Jahangirpuri, Khichripur, Nand Nagri, Nizam ud din, Pusa, Dhadra, Tilak nagar,
* Many more.

1. Fitter …. 2 years (13 institutes)

* ITI Nizam ud din, Shadra, jahangirpuri, Khichripur, Malvia Nagar, Nand Nagri, Pusa, shadra, Sabzi Mandi, Tilak Nagar, narela,
* And many more.

1. Foundry Man …. 1 year (2 institute)

* Nizam ud din , shadra

1. Information technology and Electronics system maintenance … 2 years, (1 institute)

DAV Industrial Training Centre, 5A/15, Main Najafgarh Road, Opposite Police Station, Tilak Nagar

1. Health Sanitary Inspector …. 1 year (7 institutes)

* Akashine Industrial Training Centre, 1449/2 Main 100 feet Road, Durgapuri, Shadra.
* Baba sahib Ambedkar Tech Edu Society ITC Vikaspuri
* DAV Industrial Training Centre 5A/15 Main Najafgarh Road, opposite Police Station, Tilak Nagar
* Delhi Institute of Industrial Training Centre, Nangali Poona, ND
* MRS Industrial Training Centre, Khadipur, Village Khadipur
* National Industrial Training Centre, Najafgarh, 30-34 Sewak Nagar, Uttam nagar, Najafgarh, 011-25343737, 011-65473376
* Sarvodya Industrial training Centre, 1449/2, durgapuri, shadra

1. Instrument Mechanic 2 years (8 institutes)

* Don Bosco
* ITI Khiripur, Malviya Nagar, Nand Nagri, Nizam ud din, Pusa, Shadra, Subzi Mandi

1. Craftsman Food Production General …. 1 year (2 institutes)

* Cradle Industrial Training Centre, 988/2 Mansa Enclave, New Oberoi Farm, Kapashera, South West Delhi
* Gouri Food Craft Industrial Training Centre, Plot No. 456- Near Hanuman Mandir, Bharthal Bihwasan, ND-110037, 011-64643111, 64736222

1. Dental lab Technician …. 2 years (2 institutes)

* Baba sahib Ambedkar Technical Education Society ITC Vikaspuri, Plot No. 13-B Bodhella Village, Vikaspuri ND-18, 011-28532901, 011-28532959
* ITI Narela

1. Desk Top Publishing Operator … 1 year (2 institutes)

* NSIC Technology Service Centre, Okhla ndustrial Estate,Phase II, Okhla ND-20, 011-26921562, 011-24522789
* Veer Savarkar Basic Training Centre

1. Fashion technology …. 1 year (only one Institute)

* Veer Savarkar Basic Training Centre, Pusa, 011-25842952, 011-25842762.

1. Hair and Skin Care …. I year (4 institutes)

* ITI (W) Morigate
* ITI (W) Water Tank
* Jijabai Training Institute for Women, August Karanti Marg, Srifort, Near Srifort Auditorium, Khel gaon Marg, ND-49, 011-26491842, 011-26494358
* Sampuna Industrial Traing Centre, Amar Jyoti Colony, Bawana Road, ND-85

1. Library and Information science …. 6 months (2 institutes)

* Delhi Institute of Industrial Training Centre, Nangali Poona, ND
* National Industrial training Centre, Najafgarh,, 30-34 Sewak Nagar, Uttam Nagar,Najafgarh,ND-59., 011-25343737, 011-65473376

1. Mechanist …. 2 years (8 institutes)

* ITI Jahangirpuri, Malviya Nagar, NandNagri, Nizam ud din, Pusa, Shadra, Tilak Nagar,
* NSIC Technical centre, Okhla Industrial Estate phase III, okhla, 011-26921562, 011-24522789

1. Mechanist Grinder …. 2 years (3 institutes)

* Don Bosco
* ITI Nizam ud din, Shadra

1. Mechanic Motor Vehicle …. 2 years (14 institutes)

* ITI Jahangirpuri, khichripur, Nand Nagri, nizam ud din, Pusa, Shadra, Subzi Mandi, Tilak Nagar,
* Don Bosco
* CRPF Industrial Training Centre, CRPF campus, Wazirabad,
* Delhi Police Industrial Training Centre, Wazirabad, ND
* And others

1. Mechanic Diesel …. 1 year (3 institutes)

* ITI Nizam ud din, Pusa and Shadra

1. Mechanic Radio and Television …. 2 years (6 institutes)

* ITI Nizam ud din, Pusa, Shadra,Subzi Mandi,
* Sri Guru Tegh Bahadur Industrial Training Centre,
* CRPF Industrial Training Centre.

1. Mechanic Refrigeration and Air Conditioner…. 2 years (17 institutions)

* Don Bosco
* Baba Saheb Ambedkar, Vikaspuri
* Ch. Brahm Prakash ITI Jafferpur, 011-250 12141, 011-250 25 177
* CRPF NDUSTRIAL Training Centre
* Delhi Police Industrial Training Centre
* ITI Khichripur, Malviya Nagag, Nand Nagri, Nizam ud din, Pusa, Shadra, Sabzi Mandi, Tilak Nagar, Narela,
* Sri Guru Tegh Bahadur Industrial training Centre

1. Mechanic Tractor …. 1 year (5 institutes)

* ITI Jahagirpuri, Nizam ud din, Pusa, Shadra, Narela,

1. Moulder …. 1 year (1 institute)

* ITI Pusa

1. Painter General …. 2 years (11 institutes)

* Ch. Brahm Prakash, Jafferpur 011-25012141, 011-25025177
* ITI Jahangirpuri, Khichripur, Malviya Nagar, Nand Nagri, Nizam ud din, Pusa, Shadra, Subzi Mandi,Tilak Nagar, Narela.

1. Pattern Maker …. 2 years (3 institutes)

* ITI Nizam ud din, Pusa, Shadra

1. Digital Photographer …. 2 years (2 institutes)

* ITI Jahangirpuri
* Multipurpose Training Centre for Deaf Industrial Training Centre, 12 and 13, Special Institutional Area, Shaheed Jeet Singh Marg, Near JNU, South Delhi-67

1. Plastic Processing Operator …. 1 year (2 institutes)

* ITI Khichripur, Pusa.

1. Physiotherapy Technician …. 1 year (1 institute)

* ITI Najafgarh

1. Plumber …. 1 year (8 institutes)

* Ch. Braham Prakash ITI Jafferpur
* ITI Jahangirpuri, ITI Khichripur, Nand Nagri, Nizamuddin, Shadra, Tilak Nagar, Narela

1. Radiology Technician ….2 years (1 innstitute)

* ITI Njafgarh

1. Secretarial practice …. 1 year (4 institutes)

* ITI Nand Nagri,
* Jijabai ITI for Women
* Swami Sivanand Memorial Institute of Fine Arts and Craft, Road No.31, East Avenue, Punjabi Bagh NS-26, 01125103555

1. Sheet Metal Worker …. 1 year (1 institute)

* ITI Pusa

1. Stenography English …. 1 year (18 institutes)

* Ch. Braham Prakash ITI Jafferpur
* ITI (W) Morigate
* ITI (W) Water Tank
* Jijabai ITI (W)
* NDMC (W) Technical Institute
* ITI Jahangirpuri, Malviya nagar, Nizamuddin, Pusa, Shadra, Subzi Mandi, Tilak nagar,
* Sri Guru Teg Bahadur IT Centre
* Lala Hansraj Gupta ITI Narela
* Sulabh International Training Centre, RZ-83, Sulabh Bhawan, Mahavir Enclave, West Delhi- 45

1. Stenography Hindi …. 1 year (8 institutes)

* Ch. Brahm Pakash, ITI Khichripur,ITI Nizamuddin, pusa, Shadra, Jijabai,
* NDMC (W)
* Swami Sivanand Mwmorial Institute of Fine Arts and Crafts.

1. Steward …. 1 year (2 institutes)

* Cradle Industrial Training Centre, 988/2 Mansa Enclave, Near Oberoi Farm, Kapashera, South West Delhi-37.
* Craftsman Food Production General, 10th pass, 14-40 years

1. Surveyor …. 2 years (1 institutes)

* ITI Pusa

1. **Tool and Die Maker Dies and moulds …. 3 years (3 institutes)**

* ITI Nizamuddin, Pusa, Shadra

1. **Tool and Die Maker Press Tools Jigs and Fixtures …. 3 years (2 institutes)**

* ITI Nand Nagri, Subzi Mandi,

1. **Turner …. 2 years (12 institutes)**

* Don Bosco
* ITI Jahangirpuri, Khichripur, Malviya Nagar, Nand Nagri, Nizmuddin, Pusa, Shadra,Subzi Mandi, Tilak Nagar, Narla,
* NSCI Technology Service Centre, Okhla Industrial Estate Phase III, Okhla, 011-26921562, 011-24522789

1. Welder gas Electric …. 1 year (11 institutions)

* CRPF Industrial Training Centre
* Delhi Police Industrial Training Centre
* ITI Jahangirpuri, Malviya Nagar, Nand Nagri, Nizamuddin, Pusa, Shadra, Subzi Mandi, Tilak Nagar,Narela.

1. Wireman …. 2 years (8 institutes)

* ITI Khichripur,Malviya Nagar, Nand Nagri, Nizamuddin, Pusa, shadra, Subbzi Mandi, Narela.

1. Information Technology and Electronic System Maintenance.
2. Production and Manufacturing Sector

**One year Engineering Trades**

1. Architectural assistant.
2. Auto Electrician.
3. Automotive body Repair.
4. Computer Hardware and Networking.
5. Dent Beating and Spray painting.
6. Interior Decorating and Designing.
7. Plastic Processing Operator.
8. Scooter and Auto-cycle Mechanic.
9. Steel Fabricator.

**One year Non-Engineering Trades**

1. Baker & confectionaries.
2. Commercial Art.
3. Craftsman Food Production.
4. Digital Photography.
5. Dress Designing.
6. Dress Making.
7. Hospital House Keeping.
8. Office Assistant cum Computer operator.

**PHONE NUMBERS and LOCATIONS OF GOVT INDUSTRIAL TRAINING INSTITUTIONS, DELHI.**

There are 19 Government ITI including Hastsal Extention Centre and Muti Sectorial Development Plan (for minority women only at ITI Nand Nagri) **having 10281 seats** in 45 different trades affiliated with National Council for Vocational Training (NCVT) and State Council for Vocational Training (SCVT).

1. **Ch. Braham Prakash, Jaffarpur, 011-28012141, 28013519, 25318161,** [itijaffarpur2010@gmail.com](mailto:itijaffarpur2010@gmail.com) **,** [itijaff.delhi@nic.in](mailto:itijaff.delhi@nic.in) **,** <http://itijaffarpur.delhi.gov.in>
2. **Dr. H. J. Bhaba ITI, Khichripur, Mayur Vihar, 011-22753998, 22750621,** [hjbhabhaiti.delhi@yahoo.co.in](mailto:hjbhabhaiti.delhi@yahoo.co.in) **,** [www.hjbhabhaiti.delhi.gov.in](http://www.hjbhabhaiti.delhi.gov.in)
3. **ITI, Malviya Nagar— 011-26687375, 011-26682049,** [itimvnaar@yahoo.co.in](mailto:itimvnaar@yahoo.co.in) **;** [itimn.delhi@gov.in](mailto:itimn.delhi@gov.in)
4. **ITI for women, Nand Nagri, Near DTC Bus Depot, Delhi-93—011-22581299,22134850;** [itinandnagri@yahoo.co.in](mailto:itinandnagri@yahoo.co.in) **;** [www.itinn.delhi.gov.in](http://www.itinn.delhi.gov.in)
5. **Nizam ud din—Arab ki Sarai—011-24359531, 24351667,** [itiaks2011@gmail.com](mailto:itiaks2011@gmail.com)**;** [itiaks.delhi@gov.in](mailto:itiaks.delhi@gov.in)**; website:** [www.itiaks.delhi.gov.in](http://www.itiaks.delhi.gov.in)
6. **ITI, Pusa Campus,—011-25842833, 011-25841477,** [itipusa@hotmail.com](mailto:itipusa@hotmail.com)**;** [itipusa.delhi@gov.in](mailto:itipusa.delhi@gov.in)**; website:** [www.itipusa.delhi.gov.in](http://www.itipusa.delhi.gov.in)
7. **ITI Shadra, Near Metro Station Jhilmil Colony. 011-22150343, 22168727;** [itishahdara.delhi@nic.in](mailto:itishahdara.delhi@nic.in) **;** [www.itishahadra.delhi.gov.in](http://www.itishahadra.delhi.gov.in)
8. **ITI for women (only for women), Tilak Nagar, Near Tilak Nagar Metro Station, 011-25997035, 25995158,** [itiwtn@rediffmail.com](mailto:itiwtn@rediffmail.com) **,** [www.itiwtn.delhi.gov.in](http://www.itiwtn.delhi.gov.in)
9. **Sir CV Raman ITI, Near Burari Crossing, Dheerpur, Delhi-9, 011-27128082, 011-27608082 011-27608083,** [www.scvriti.delhi.gov.in](http://www.scvriti.delhi.gov.in) **;** [iticvraman.delhi@gmail.com](mailto:iticvraman.delhi@gmail.com)
10. **Savitri bai Phule ITI for women, Mori Gate, Gokhle Road, Near Metro Station Kashmiri Gate, (for women). 011-23967449,23929889,** [itimg.delhi@gmail.com](mailto:itimg.delhi@gmail.com) **,** [itimgw.delhi@gov.in](mailto:itimgw.delhi@gov.in) **,** [www.sbpiti.delhi.gov.in](http://www.sbpiti.delhi.gov.in)
11. **Jahangir Puri (K-Block)27637928, 27634888,** [www.itijp.delhi.gov.in](http://www.itijp.delhi.gov.in) **,** [pplitijpuri@gmail.com](mailto:pplitijpuri@gmail.com)
12. **Jail Road. Opposite Tihar Jail, Hari Nagar--28121086, 28122402;** [itijritijr@yahoo.co.in](mailto:itijritijr@yahoo.co.in) **,** [itijr.delhi@gov.in](mailto:itijr.delhi@gov.in) **, www.itijr.delhi.gov.in**
13. **Lala Hans Raj Gupta ITI, DSIDC Industrial Complex, Narela, Delhi-40., about 5 km from Alipur Border, 27781679, 27782076,** [itinarela.delhi@gmail.com](mailto:itinarela.delhi@gmail.com)[www.lhrgiti.delhi.gov.in](http://www.lhrgiti.delhi.gov.in)
14. **Veer Savarkar Basic Training Centre, Pusa Road, New Delhi-12, Near Metro station Rajindra Palace, 011-25842952, 25842762,** [btpusa2007@yahoo.com](mailto:btpusa2007@yahoo.com)**,** [www.vsbtc.delhi.gov.in](http://www.vsbtc.delhi.gov.in) **,** [vsitibtcpusa2007@gmail.com](mailto:vsitibtcpusa2007@gmail.com)
15. **ITI, Vivek Vihar, Near Metro Station Jhilmil Colony, Shahadra (W), 011-22165188, 22150343, 22168727,** [itivivekvihar@gmail.com](mailto:itivivekvihar@gmail.com) **,** [itivvw.delhi@gov.in](mailto:itivvw.delhi@gov.in)[www.vvwiti.delhi.gov.in](http://www.vvwiti.delhi.gov.in)
16. **Extension Centre of ITI, Jail Road, Old Employment Exchange Building, Hastsal, ND-59 (W), 011-28121086, 28122402,** [itijitijr@yahoo.in](mailto:itijitijr@yahoo.in) **,** [www.itijr.delhi.gov.in](http://www.itijr.delhi.gov.in)
17. **ITI Mangole Puri, S- Block, co-ed, Industrial Area, Delhi-83, 011-27918121,27918122,** [itimgadmission2018@gmail.com](mailto:itimgadmission2018@gmail.com) **,** [www.itimanggolpuri.delhi.gov.in](http://www.itimanggolpuri.delhi.gov.in)
18. **ITI For Women (MSDP), ITI Nand Nagri Campus,Delhi-93, 011-22581299, 22134850;** [itinandnagri@yahoo.co.in](mailto:itinandnagri@yahoo.co.in) **;** [www.itinn.delhi.gov.in](http://www.itinn.delhi.gov.in)
19. **Jijabai ITI, August Kranti Marg, Srifort industrial/Institutional Area, Sri Fort, Nearest Metro station Green Park, New Delhi-, Internationally Accredited by APASS, Manila,Philippines., 011-26491842, 26494358,** [itisirifort@yahoo.com](mailto:itisirifort@yahoo.com) **,** [www.jbiti.delhi.in](http://www.jbiti.delhi.in) **,** [itijijabai.delhi@gov.in](mailto:itijijabai.delhi@gov.in)

**Prospectus for admission in government ITI is available on line with**

**Department of Training and Technical Education**

* Muni Maya Ram Marg, Peetampura, Delhi-88, Phone: 011-27321023/24, [caoitiadmission@gmail.com](mailto:caoitiadmission@gmail.com)
* Date of start of on-line registration: first week of June
* Last date of registration: third week of June
* Last date of verification and choice filling: third week of June.
* On-line admission address: <http://www.itidelhiadmissions.nic.com>

**Other ITI Institutions**

1. Institute of Basic Business Studies of BTC Pusa Campus, ND-110012, 25842952, 25842762
2. Dy. Apprenticeship Advisor, Pusa, 25841665, 25847560
3. Directorate General of Employment and Training- DGE&T; Shram Shakti Bhawan, Rafi Marg, ND-1, 011-23710446 (Director General/Joint Secretary), [www.dget.nic.in/content/#](http://www.dget.nic.in/content/)
4. KI- Industrial Training Institute (ITI), S-107 Badli Industrial Estate Delhi-42, 011-45689759, 47523333, [ksharma@del2.vsnl.net.in](mailto:ksharma@del2.vsnl.net.in), [ks@bluepeterindia.com](mailto:ks@bluepeterindia.com), [www.ki.iti.com](http://www.ki.iti.com)
5. Sri Guru Teg Bahadur ITI, GT Karnal Road, Near Gurudwara Nanak Piao, Delhi-33., 011-27124670, [sgtbimit@hotmail.com/](mailto:sgtbimit@hotmail.com/) , www.sgtbimit.com
6. Sarvodya ITI, 1449/2, Main 100 ft. Road, Durgapuri extension, Shahdara, 011-22800322, [sarvodyainstitute@yahoo.in/](mailto:sarvodyainstitute@yahoo.in/)
7. Sharda ITI, 189, main road, kakrola village, near Bharat ghar, Metro pillar no.860, (between Dwarka and Dwarka Sec-14 metro station) ND-78, 011-65060170, [info@shardainstitute.com/](mailto:info@shardainstitute.com/), [www.shardainstitute.com](http://www.shardainstitute.com)
8. ITI, Pusa road, Karol Bagh, near Institute of Hotel Management, 011-40131003, [itipusand110012@yahoo.com](mailto:itipusand110012@yahoo.com) , [www.delhi.gov.in](http://www.delhi.gov.in)
9. ITI, DSIDC, Industrial complex, delhi-40, 011-27781679, 27782076,
10. ITI, Jaffarpur Kalan, ND-110073,
11. Sabzi Mandi

**………………………………………………**

**College for Fire Safety Management----100% Job Oriented Training**

**Enquiry: 09871549659**

**……………………………………………………………………………………………………………………**

**Polytechnics in Delhi**

There are dozens of Polytechnic colleges in Delhi. Most of them are the best Polytechnics in India. List of Government Polytechnic and some good private Colleges is given below.

**Government and Private Polytechnic Colleges (all affiliated to BTE—Board of Technical Education)**

1. **Central Delhi;**

* **Delhi Institute of Tool and Engineering** **(Government)**.

Popularly known as DITE (Best for TOOLS and DIE Engineering)

* Address:
* Wazirpur Indutrial Area, New Delhi (011-27006130,2700612927372618)
* Maa Anandmayi Marg(near DJB Watertank)

Block-A, okhla industrial area, PhaseII,ND-20, (011-26388920, 29207304)

* Official website: http;//www.dite.delhi
* Courses;
* **M**.**Tech** –3year course-- (qualification req: BBA, BCA, B.Sc, B.Com, B.A. with 50% marks or PG in any subject with math as a sub in sen.secondary with) admission through GATE, JEE
* **B**.**Tech**, Tool Engineering
* **B.Tech**, Mechatronics (10+2, through JEE rank) (10+2, through JEE rank)
* **Diploma :** Tools and Die making
* **Diploma :** Mechanical Engineering
* **Two years** Certificate course
* **One year** Condensed course
* **Pusa Institute of Technology (Government):** Pusa Institute of Technology formerly known as Posa Polytechnic is as Premier Engineering College in New Delhi, established in 1962. It is affiliated to Board of Technical Education (BTE)
* Automobile Engineering—62 seats—Full Time And Part time
* Civil Engineering—62+48—Full time
* Civil Engineering with specialization in Construction Engineering—62 seats—Full time
* Electrical Engineering—62+48 seats—Full time
* Electronics and Communication Engineering—60 seats—full time
* Printing Technology—62+48 seats—Full time
* Automobile Engineering—60 seats—Part time
* **Sardar Ukil School of Arts.** (**Government**)

1. **East Delhi;**

* Ambedkar Institute of Technology, Geeta Colony, Delhi-31., for **Advanced** **Communication Technology and Research,** 011-21210161 (**Government**)

1. **North Delhi**

* Aryabhat Institute of Technology (**Government**), GT Karnal Road, Near Shakti Nagar, Ashok Vihar, Bilaspur, ND-33, 011-27426263
* Guru Nanak Dev Polytechnic (**Government**), B-10 Main Road Shivalik, Malviya Nagar, ND-17, 011- 65700507.
* Kasturba Polytechnic for women (**Government**), Muni Maya Ram Jain Marg, PremBari Pul, near TV Tower, Pitampura-88., 011-27325252, [kpedu@bol.net.in](mailto:kpedu@bol.net.in)

It was established in 1986 to encourage women to effectively contribute towards economic development. It is housed in a plot area f 37,067.95 squire meter of land. Consists of Academic complex, Hostel Block, Residential Complex, play round and parking area. It offers full time Diploma Course in Hi-tech and emerging areas of technology. It is under the Department of Training and Technical Education. It was originally set up in 1986-87 with the approval of All India Council for technical Education (AICTE) as a guest institute in the Meerabai Polytechnic Campus at Maharani Baugh. It got the best Polytechnic award in Northern India in 2003 by TTTI, Chandigarh. The Institute seeks to place each of its students in an organization/company of great repute.

**Available Courses:**

* **Medical Electronics:** seats 15,
* **Diploma in Public Health and environmental Engineering:** seats 30
* **Diploma in fashion Design:** seats 40
* **Diploma In computer Engineering:** seats 45
* **Diploma in Digital Electronics & Microprocessor Based system designs:** seats-15.

1. **South Delhi**

* BSF Polytechnic
* G.B. Panth Institute of Technology (**Government**)
* Meerabai Institute of Technology (**Government**)

1. **South West Delhi**

* Integrated Institute of Technology (**Government**)
* Rajokri Institute of Technology (**Government**)

1. **Other Government Institutues**

* World Class Skill Centre
* Delhi institute of tool engineering
* Bhai Parmanand Institute of Business Studies.

1. **Private Polytechnic**

* Guru Tegh bahadur Technical Institute.
* Aditya Institute of Technology, New Delhi. **(Private)**
* Chhutu ram Rural Institute of Technology **(Private)**
* Subramaniam Bharti College of Science and Technology **(Private)**
* Delhi Institute of Pharmaceutical Sciences and Research **(Private)**
* International Polytechnic for women **(Private)**
* Jamia Hamdard **(Private)**
* Baba Haridass College of Pharmacy and Technology **(Private)**

**Delhi Polytechnics common Entrance Test 2019 for Diploma Programs**

**DTTE (Department of Training and Technical Education) Delhi, announces Common Entrance Test (cet) for Diploma Courses Admission.**

* Centres for exams will be announced later.
* Apply on line
* Forms available: 01-4-2019 to 30-4-19 till 5 P.M.
* Last date for submission 30-4-2019
* Total number of seats 772
* 12th of 10+2 Vocational Engineering stream/ITI pass outs from outside Delhi are not eligible for admission against the above seats.
* Sate Delhi CET exam—08th and 09th June.
* Only Indian Nationals/ Sponsored candidates are eligible to seek admission.

**COMMERCE**

Law graduate and post graduates (LLB & LLM)

LLB

1. 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.
2. *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 aoid 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

1. corporate law firms
2. practice in courts
3. set up their own venture
4. in academics where extensive research is being conducted
5. can enter the judiciary as a judge.

Earnings– for fresh entrants, Rs- 20,000/ month

Internships

* are an indispensible part of law education

1. Essential for supplementing the theoretical knowledge. It enables the students to understand the difference between theory and practice.
2. To gain insight of the efforts in order to understand difference between theory and practice
3. Prepare arguments for a case—research, drafting, and briefing— thus allowing one to be in a better position when one starts working.

LLM

1. Characterized by fast changing professional requirements necessitated an in-depth knowledge of our respective fields. This situation gives rise to the need of specialization.
2. 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.
3. 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’.
4. Domain expertise inculcates research abilities and instills a deep understanding of a legal subject in candidates which is possible only through a PG qualification.
5. University Grants Commission (UGC) insists on the LLM and National Eligibility Test score for full-time teaching positions.
6. 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.
7. 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.
8. To become eligible for teaching positions or simply to add another degree to their CV.
9. 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

**Management Studies**

1. Management (MBA and further studies in India and abroad)

**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

**SCIENCE**

1. Science is an important part of the foundation for education for all children.
2. Science allows students to explore their world and discover new things.
3. Science is the most important subject students study, because it gives them critical thinking skills they need in every subject.
4. Science is a way of helping the brain grows in finding new knowledge.
5. Science is important because it influences most aspects of everyday life including food, energy, medicine, transportation and many more activities.
6. Science improves human life at every level, from individual comfort to global issues’
7. Science knowledge allows us to develop new technologies, solve political problems and make informal decisions—both individually and collectively.
8. One goal of science iss to provide natural explanations for events in the natural world.
9. With science a student improves his education and communication.
10. Technology is the practical science, with the use of it one can make his daily work easier.
11. A school is not supposed to be a complete academic institution without science stream.
12. Science is the most sought after stream among students at the 10+2 level. All CBSE schools across the country provide students with the option of choosing Science after class 10.
13. Teaching the scientific method to students is teaching them how to think, learn, solve problems and make informed decisions.
14. These skills are integral to every aspect of student’s education and life from school to career.

The process and ideas of science are of great importance to everybody in three ways. The first is in their personal lives, for example, they can validly identify the components of a healthy life style.

The second is in their civic lives, so that they take an informed part in social decisions, for example, on future options for electricity supply.

The third is in their economic lives, where they need to be able to respond positively to change in the science-related aspects of their employment.

If the major purpose of science education is to increase the flow of specialist scientists, technologists and engineers, then young people with special talents in science should be identified as early as possible and provided with a separate, specialized and highly focused science education.

**Some of the choices available after 12th  (Science) are summarized as under;**

**Vocational courses**

1. Hair and Beauty-training Academies.
2. Media, advertising.
3. Travel and touring.
4. Placement Training Program
5. Call Centre- training.
6. Real Estate.
7. NGO management.
8. Transportation and Mining-studies
9. Catering and Hotel-management.
10. Interior-designing.
11. Jewelry designing.
12. Company Secretary
13. Printing and Packaging.
14. Air-hostess (for girls).
15. Insurance.
16. Fashion technology.
17. Film-making.
18. Theater.
19. Mass-communication.
20. Animation.
21. Photography.
22. Education.
23. English literature.
24. Foreign language.
25. Technical Education.
26. Sports as career.
27. Administration.
28. Event-management.
29. Hotel Management and food Science.
30. Civil services.
31. Private sector and Industry.
32. Human Resource Development.
33. Tourism Industry.

**General Courses in Science**

1. Physical Education (D.P .Ed, B.P. Ed, M.P. Ed.)
2. Education; B.Ed, M.Ed., MA., Ph.D
3. Flight/ aviation/ Pilot.
4. Fisheries.
5. Hotel-management.

**Basic Sciences**

* B.Sc. (General)

1. B. Sc. (Hons.) In Physics, chemistry, Zoology, Botany,
2. B. Sc. in Math (mathematical finance, banking, insurance companies, software companies, game applications, Management firms.)
3. B.Sc. in Statistics,

**Regular UG courses in Science**

1. B. Sc. Nano-science,
2. Bio-technology, Geology,
3. B. Sc. Forensic science,
4. B.Sc. Hotel management,
5. B.Sc. in Clinical Psychology.
6. B.Sc. Nursing, Post-basic Nursing, General Nursing +midwifery.
7. B.Sc. Forestry.
8. B.Sc. Horticulture.
9. B.Sc. Industrial Chemistry.
10. B.Sc. Bioinformatics.
11. Medical lab technology,
12. B.Sc. Medical Imaging tech Institute of Public Health & hygiene, 011-26782850-54
13. B.Sc. Microbiology (------do--------)

**Physiotherapy**

1. B.P.T.
2. M.P.T.
3. PhD.

**Nursing courses**

1. Diploma
2. B. Sc., and M.Sc.
3. Post Basic B. Sc (NIMS University--Jaipur)
4. GNM (NIMS University)

**PG courses in Science**

* Medical Anatomy.
* Medical Physiology.
* Medical Microbiology.
* Radiology
* General Medicine
* General Surgery
* Many more medical branches
* Ultra Sonography- 4D (Institute of Public health & hygiene, 011-26782850)

**Pharmacy**

* Diploma in Pharmacy (D. Pharma)
* B. Pharma.
* M. Pharma. (Pharmaceutics, Pharmacology, Pharma Chemistry, Pharma Practices, Pharma Mrketing, Pharmacovigilance, NIMS University, Delhi Jaipur Highway, Shobha Nagar, Jaipur).
* B. Pharma+ MBA (Dual Degree—NIMS University)
* PhD

**Other Science Options**

* Virology and Immunology.

(Separate information in detail about courses and Universities).

* B.P.T. (Bachelor of Physio-therapy ),
* Lab technology,
* Ophthalmic Technician- 2 years (Institute of Public health and hygiene,RZ-a-44 Mahipalpur, 011-26782850-54)
* Operation theatre Technology-2 years (------do-------) (10+2)
* Cardio vascular Care Technician, 2-years, (---do----)(10+2)
* Invasive Cardio Vascular tech. 2-years (-----do-----)(10+2)
* X-ray and Electrocardiography tech (----do-----)(10+2)
* B. Pharm.,
* Allied Science.
* Space Science.
* Oil and Gas.
* Merchant Navy.
* Chemical Research.
* Agriculture.
* Environmental Science
* Food technology
* Green technology.
* Horticulture.
* Marine Science.
* Nuclear Science and Technology.
* Nanotechnology.
* Natural-resources and sustainable development.
* Power

**Engineering,**

**B.Tech. in**

* in different subjects (in IIT)
* IT in other Government and non-govt institutios.
* Civil Engineering
* Mechanical
* Electrical
* Food Technology.
* Agriculture.
* Biotechnology.
* Computer Science and Engineering
* Chemical,
* Automobiles,
* Communication,
* Fashion designing,
* Gas,
* Geo-science,
* Electronics,
* Mecha-tronics,
* Fire and safety,
* Geo-informatics,
* Aerospace,
* Automobile.
* Material Science,
* Techno-legal etc.
* Chemical Engineering

**Advanced Engineering**

* PhD.
* M.Tech. (Nuclear Engineering, Aerospace, Oil and Gas, Energy & Power—2years, NIMS University, jaipur.)

**Computers**

* Super-specialized Computer Science,
* Electronics and Communications with specialization in cloud computing and virtualization technology,
* Bio-technology.
* BCA. ,
* BCA+MCA—5 years..
* Animation,
* Geo-science,

**Integrated programs**

B. tech+ MBA ……….. 5 years

B.Sc. + M. Sc ………….. 5 years

B. Sc+ Agriculture + Food- business ……. 5 years

**Medical**

* MBBS,
* M. D/M.S. in all branches
* BUMS.
* BAMS
* BHMS.

**Paramedical**

All those preparing for MBBS cannot get admission in first attempt. At least they should try second attempt with proper coaching.

* Following alternate options for Biology students are also available

1. **Pharmacy.**

* Jamia Hamdard
* Amity University Campus, Gurgaon

1. Bio-chemistry.
2. Nano-technology.
3. Lab-technician (Pathology).
4. X-ray technician.
5. Histopathology.
6. Bio-technology.
7. Bio-medical Science.
8. Bio-informatics.
9. Bio-chemistry.
10. Microbiology.
11. Molecular Biology.
12. Genetics.
13. Physiology.
14. Physio-therapy
15. Occupational therapy.
16. Veterinary Science.
17. Animal Husbandry.
18. Agriculture.
19. Speech and Audiology.
20. Ophthalmic technology.
21. Optometry is a health care profession which involves examining the eyes and applicable visual systems for defects of abnormalities as well as the medical diagnosis and management of eye disease.

* Oral medicine and radiology

1. Hospital administration.
2. Nutrition.
3. Food processing.
4. Medical transcription.
5. Medico-legal work.
6. Rehabilitation counseling.
7. Forensic counseling.
8. Hospitality and Hotel management.
9. Clinical pathology.
10. Medical Micro-biology.
11. Medical Physiology
12. 2 yr full time diploma in medical lab technician.
13. Lab and X-ray technology.
14. Hospital management.
15. Health management.
16. Nutrition.
17. Dietetics.
18. Dental mechanics.

* Diploma in Radio Imaging Technology … 2 years
* Diploma in Operation Theatre Technology …2 years.
* Diploma in Medical laboratory TechnologyB. Sc. (Clinical-psychology),
* B.Sc. in Audiology and speech language
* B.Sc. in Radiology and imaging technology.
* B.Sc. in operation Theatre Technology’
* B.Sc. in Optometry
* B.Sc. Imaging technology.
* M. Sc. (Medical-anatomy),
* Medical and clinical-physiology,
* Medical-microbiology,
* Forensic-science,

**Dentistry**

* BDS.,
* MDS (Prosthodenties and crown and bridge,
* periodontolology,
* Oral and maxillofacial surgery,
* Conservative dentistry,
* Orthodontics
* Dento-facial orthopedics,
* Oral pathology and micro-biology,
* Public health and dentistry,
* Paedodentics and preventive dentistry,
* Medicine and radiology, Hospital administration.
* PhD
* M.phil (Management/Administration)
* Hospital Management
* Administration
* Marketing,international marketing
* Retailing,
* I.T.
* Investment and Mutual Fund
* Finance
* Banking
* Insurance
* Pharmaceutical
* Event management
* Financial Market Management
* BBA+MBA (Integrated)------(all above…NIMS University, 09571703917, 09829051020)
* MBA Health Care Services (011-26782850, 26788314, 26786847, 9811817972,9654513469)
* **MBA (and advance study)**

**Top 10 B- 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

* **Hotel Management and food Technology**
* Diploma in hotel management (NIMS University…Shobha Nagar. Jaipur, 09413333140,)
* Bachelor in hotel management (………………………..……..do……………………………………………..)
* PhD in hotel management-------(…………………………..……do…………………………………………….)
* Catering Technology--------------(……………………,,……..….do….…………………………………………)
* Tourism and Travel---------------(….………………………………do……………………………………………)
* Food Technology-------------------(………………………………….do….……………………………………….)
* **Advertising, communications & events**
* **BBA**
* **Animation**
* **Study abroad (foreign destination)**

**Architecture.**

* A dream of drawing and creating over building sites, making models, designing…. If these are doing the things and getting away with calling it work, **ARCHTECTURE** might just be the profession for you.
* As children some of the first drawings we make are the pictures of homes.
* As adults some of the dreams we nurture most is that of making a home.
* Housing has been and will always remain one of the most significant aspect of our lives.
* With this comes the importance of people that gives shape to these dreams--**Architects**
* An Architect mainly deals with the planning, design and oversight of a building and the site surrounding it.
* They are well equipped with information on all building regulations, design aspect and other technicalities of making a home.
* Architecture as a profession is an equal blend of creativity and technicality.
* It is important for those who want to pursue architecture to really be sure that they have the aptitude and interest for it.
* Interest in designing and sketching, having passion enough to commit to the task and dreaming are some of the important attributes an aspiring architect must possess.

**The fundamentals**

* 10+2 with Math as one of the subjects.
* An aggregate of 50% marks is a criteria to be able to appear for the aptitude test called the National Aptitude Test in Architecture (NATA).
* This test measures the drawing and observation skills, sense of proportion, aesthetic sensitivity, critical thinking ability of the applicant that have been acquired over a long period of time and that are related to the field of architecture.
* Based on the scores, a National Council helps placed students in their preferred colleges
* The 5 year Bachelor degree is divided into 10 semesters that cover all the technical aspects of building design and construction.
* Aside of this, students also get to choose subject aspect of building such as interiors, project management, architectural journalism, Landscape etc as an elective.
* The final year of the course (9th and 10th semesters) is dedicated to the student’s final thesis paper and practical training under a practicing architect.

**Career prospect**

* The successful completion of this degree enables a student to get registered as an architect under the Council of Architect (CoA).
* Anny architect registered under the CoA is eligible to start practice either individually or by joining an already existing firm.
* There are also private-run institutions that offer diploma courses in architecture. However one has to be aware that only candidates passing out of institutes and colleges recognized by the CoA are eligible for registration as an architect.
* There are myriad of options to choose from at the Master’s level.
* The common ones are urban design, landscape architecture and interior design.
* There are less conventional subjects too which many students choose from such as;

Product design, Photography, architectural journalism, design management, design for retail experience, etc.

* It is said that “Architecture of any place is reflection of its people, culture and progress.

**College offering B.Arch.**

* School of planning and Architecture, JNTU, Masab Tank.
* Church of South India Institute of Technology (CSIIT), Secundrabad
* SVCA, Madha pur, Hyderabad.
* **School of Planning and Architecture, Delhi.**
* RV College, Bagalore.
* Sir JJ College, Mumbai.
* Amati University, Chattes Garh, Raipur.
* IIT Kharakpur, Tiruchirappalli, Nagpur, Ranchi, Roorkee, Rourkela,
* Malviya National Institute of Technology, Jaipur
* Indian Institute of Engineering Science and Technology, Howrah
* Maulana Azad Institute of Technology, Bhopal
* And many more
* Hmr Institute of Technology & Management, Delhi (private)
* MBS School of Planning & Architecture, Delhi (Private)
* Vastu Kala Academy College of Architecture and interior Design, Delhi (private)
* School of Planning & Architecture, Delhi (Public College
* University School of Architecture and planning, New Delhi (Private)

**B. Arch admission process**

* In order to seek admission in B. Arch course, a candidate is required to appear for the NATA exam (National Aptitude test for Architecture) which is conducted by the Council of Architecture (CoA) to screen the candidates for selection.he
* Once the NATA score is out, states conduct a counseling process where on the basis of candidate’s rank, he/she is allotted a seat in any of top architecture colleges in India.
* Different States and Colleges may also follow a separate admission process.

**Architecture of any place is a reflection of its people, culture and progress. Today, as we progress into a time of real estate and construction boom, increasing number of people are being able to afford homes. Architects can be assured to have their hands and pockets full for a long time to come.**

**Current research scope in science**

Students intending to pursue PhD programmes 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 programmes 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 Programme 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 programmes 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.

**.**

**Computer Applications**

**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/

**Want to get Innovative?**

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.

**Petroleum Engineer**

Petroleum Engineering is a discipline concerned with the surface activities related to the production of hydrocarbons—which can be either crude oilor natural gas.

These are the activities within the upstream sector of the oil and gas industry that includes exploration for hydrocarbons.

Petroleum Engineering is broadly consists of different areas such as drilling, reservoir and production stream.

Drilling deals with designing and implementing procedures to drill wells as safely and economically as possible, and depending on its purpose. It may be used for analyzing hydrocarbon pools (major fossils such as coal, petroleum and natural gas are hydrocarbons).

Reservoir Engineering deals with study of such pools and work out on ways to utilize it.

Production Engineering comes into play after the reservoir has been understood and wells have been drilled and hydrocarbon begins to flow.

An important challenge facing the profession is high risk in investment under high degree of uncertainty in oil and gas reservoirs.

Qualification: PCM in class 11th and 12th.

Test: All India Entrance test such as JEE

After graduation: M. Tech and later Ph.D

**Institutes and URLS:**

* Indian School of Mines
* Pandit Deendayal Petroleum University, Gandhi Nagar ([www.pdpu.ac.in](http://www.pdpu.ac.in))
* Maharashtra Institute of Technology, Pune ([www.mitpune.com](http://www.mitpune.com))
* University of Petroleum and Energy Studies, Dehradun ([www.upes.ac.in](http://www.upes.ac.in))
* Rajiv Gandhi Institute of Petroleum Technology, Rae Bareli ([www.rgipt.in](http://www.rgipt.in))
* CSIR-Indian Institute of Petroleum, Dehradun ([www.iip.res.in](http://www.iip.res.in))
* Dibrugarh University, Assam ([www.dibru.ac.in/page.php?cat=Deparment](http://www.dibru.ac.in/page.php?cat=Deparment) &id=Petrolem%20Technology)

**Pros and cons:**

* The job is challenging
* Long working hours of shore: 7A.M. to 8.30 P.M.
* Exposure to best-in-class technology
* High Salary (1.5 times more than that his counterparts in other core sectors. Those with added skills 2-3 times as much their professional growth is very fast)
* Wide spectrum of activities.
* Work in remote locations
* Jobs are concentrated in certain parts of the world.
* Physically strenuous.

Skill/traits

* Job related to data processing and interpretations are done with the help of state-of-the-art software running on sophisticated hardware.
* Hence one is required to be technologically savvy.
* Drilling involves dealing with subsurface conditions of pressure and temperature and requires high skill with machinery and related judgment.

**To be a successful petroleum engineer, one should have knowledge of geology, geophysics, reservoir engineering and management, and be ready to work in synergy.**

**Nutritionist**

* Nutrition is the science of food, nutritionist and their impact on health.
* Nutritionists are the experts in food science, technology, therapeutic diets and public health issues.
* A nutritionist studies food from the time of harvest till it is consumed
* They also carry out qualitative analyses of food being consumed.
* With changing lifestyle the demand for trained and qualified nutritionist has increased many folds in different avenues such as research, education, hospitals and first-moving-consumer-goods companies.
* Food companies have nutrition division where nutritionists are involved in multiple projects like providing inputs for product innovation, coordinating and participating in the cross-functional team meetings, supporting and driving improvement decisions.
* School health nutritionist is another upcoming career.
* Food journalism to review the various cuisines from the health point of view is also catching on.
* Nutritionists could even be hired for gyms and health care centres.

Qualification:

* Home science as a subject in class Xi and XII,
* B.Sc home science or any stream in science.
* It can be followed with a master’s in home science.
* Preference is given to candidates with science background in XII.

**Skills/traits**

* Updated knowledge on current trends in nutrition, health and wellness.
* Knowledge of food laws.
* Technical knowledge the fundamental of nutrition, physiology and foods science.
* Good interpersonal skills.
* Good writing skills for producing reports, leaflets, presentation etc.
* Basic knowledge of human psychology.
* Research-oriented mind.

**Duty hours**

* Working as a nutritionist in a multinational company is very different from the usual hospital set up in terms of delivery and expectations.
* The schedule is similar to a marketing/technical personnel’s routine which can beyond the usual nine hours of work, depending on the projects one is involved in.

**Pay**

* Fresh nutritionist Rs. 15000/= to 20,000/=
* Those with a Master’s degree in nutrition or Home Science can expect a higher pay package ranging between Rs.2.5 lakh—7 lakh per annum.
* The salaries get higher with experience.

**Institutes and URLS**

* Institute of Home Economics and Lady Irwin College, Delhi (du.com.ladyirwin.edu.in)
* Mount Carmel College, Bangalore (mountcarmelcollegeblr.co.in)
* University of Mumbai ([www.mu.ac.in](http://www.mu.ac.in)).
* Osmania University, Hyderabad ([www.osmaniaac.in](http://www.osmaniaac.in))

**Pros and cons**

* Advise people to live healthy
* Wider scope due to increased awareness in cities
* New learning opportunities everyday while working In a cross functional team set-up
* If attached with a hospital, work in shifts and sometimes required to do night duties.

**Time has come when most food companies will appreciate the value of a skilled Nutritionist.**

**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.

**Opportunities in the Insurance Sector**

**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.

# AGRI-FORCE

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

# The programme, 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 curriculam 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.

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# 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.

**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: B. 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

**Aeronautical Engineering**

* Aeronautical Engineering is one of the toughest Engineering course in India. the BE, B.Tech is a 4-year course full time course
* After successful completion of the course students can pursue their career as an Aeronautical Engineer.
* These engineers are then responsible for creating, developing normality in the technological field of space, defence, and aviation.

**Subjects involved in aeronautical Engineering**

* The full time 4-year course comprises of subjects like Material Science, fluid Dynamics, Essential of Propulsion, Structural Analysis, Aerodynamic theory, Material science and so on.
* These students can also get specialization like Navigation Guidance, communication, instrumentation, Methods of Production of products for Rockets, aero planes and Helicopters.

**Qualification Required**

* 10+2 with PCM with at least 50% in each subject.
* JEE for selection in Top IITs

**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 neede 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 test the analytical and logical skills.
* The sections of the exam include verbal and quantitative reasoning, analytical writing and a recently added integrated reasoning section.

**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.

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**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.

**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.

1. Dairy technology and management courses are offered in many universities (mostly agricultural universities) in the country.
2. 0These are designed to equip students with basic knowledge of production, design and management of the industry.
3. The curriculum covers areas such as entrepreneurship, involving milk conservation, dairy processing and farm management as well.
4. Standalone courses in dairy management are relatively fever.

The principles of dairy management typically are covered in PG level programmes in Dairy engineering and dairy economics.