

CAREER GUIDE



DELHI PUBLIC SCHOOL SURAT

Note: The compiled information provided here is intended for informational purposes only and is subject to change

Compiled by DPS Surat

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***POSSIBLE
CAREER OPTIONS
AND
INSTITUTIONS
FOR SCIENCE
STREAM***

SCIENCE STREAM

ENGINEERING

Engineers belong to the one of the greatest profession in the world, responsible for almost everything that makes life worth living – from leisure activities to medical treatment, mobile communications to modern transport systems.

Engineering is the application of scientific knowledge for solving problems in the real world. While science (physics, chemistry, biology, etc.) allows us to gain an understanding of the World and the Universe, Engineering enables this understanding to come to life through problem solving, designing and building things.

Engineering can be divided into various specializations as mentioned below:

- Acoustical Engineering
- Aeronautical Engineering
- Aerospace Engineering
- Agricultural Engineering
- Agricultural Information Technology
- Audio/Sound Engineering
- Automobile Engineering
- Biotechnology Engineering
- Chemical Engineering
- Chemical Technology
- Civil Engineering
- Civil Infrastructure
- Computer Science Engineering
- Corrosion Engineering
- Dairy Technology and Engineering
- Electrical Engineering
- Electronics & Communication Engineering
- Electronics and Telecommunication Engineering
- Electronics Engineering
- Environmental Science and Technology
- Environmental Engineering
- Food Processing and Technology
- Genetic Engineering
- Information Technology Engineering
- Information and Communication
- Infrastructure Engineering
- Industrial Engineering
- Instrumentation and Control Engineering
- Manufacturing Engineering
- Marine Engineering
- Mechanical Engineering

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

- Mechatronics
- Metallurgical Engineering
- Metallurgy and Material Engineering
- Mining Engineering & Metallurgist
- Motorsport Engineering
- Nano-Technology Engineering
- Nuclear Engineering
- Ocean Engineering & Naval Architecture
- Optical Engineering
- Petroleum & Petrochemical
- Petroleum Engineering
- Plastics Engineering
- Plastic Technology
- Power Electronics
- Production Engineering
- Rubber Engineering
- Sports Engineering
- Structural Engineering
- Telecommunication Engineer
- Textile Engineering
- Thermal Engineering
- Transport Engineering
- Water Management

Competitive Exams

Name	Website
JEE Main (Joint Entrance Examination- Main)	www.jeemain.nic.in
JEE Advanced (Joint Entrance Examination- Advanced)	www.jeeadv.ac.in
VITEEE (Vellore Institute of Technology Engineering Entrance Examination)	www.vit.ac.in
BITSAT (Birla Institute of Technology and Science Aptitude Test)	www.bits-pilani.ac.in
KIITEE (Kalinga Institute of Industrial Technology Entrance Exam)	www.kiitee.ac.in
SRM JEEE (SRM Joint Engineering Entrance Examination)	www.srmuniv.ac.in
MET(All India Manipal Entrance Test)	www.manipal.edu
SET(Symbiosis Entrance Test)	www.set-test.org
NPAT- NMIMS	www.npat.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

State Test

Name	Website
GUJCET (Gujarat Common Entrance Test)	www.gujacpc.nic.in
KCET (Karnataka Common Entrance Test)	www.kea.kar.nic.in
AP EAMCET (Andhra Pradesh Engineering, Agricultural and Medical Common Entrance Test)	www.apecmcet.org
COMEDK UGET (Consortium of Medical, Engineering and Dental UG Entrance Test, Karnataka)	www.comedk.org
KEAM (Kerala Engineering, Architecture, Medical) organized by CEE (Commissioner for Entrance Examinations), Kerala	www.cee-kerala.org
UPSEE (Uttar Pradesh State Entrance Examination)	www.upsee.nic.in
WBJEE (West Bengal Joint Entrance Examination)	www.wbjeeb.nic.in
GCET (Goa Common Entrance Test)	www.dtegoa.gov.in
REAP (Rajasthan Engineering Admission Process)	www.rtu.ac.in/RTU/reap
JCECE (Jharkhand Combined Entrance Competitive Examination)	www.jceceb.jharkhand.gov.in
OJEE (Odisha Joint Entrance Examination)	www.ojee.nic.in
MHTCET (Maharashtra Common Entrance Test)	www.dtemaharashtra.gov.in

List of some Colleges in India

Name	Place	Website
Indian Institute of Technology, Kanpur	Kanpur, Uttar Pradesh	www.iitk.ac.in
Indian Institute of Technology, Bombay	Mumbai, Maharashtra	www.iitb.ac.in
Indian Institute of Technology, Delhi	Delhi	www.iitd.ac.in
Indian Institute of Technology, Madras	Chennai, Tamil Nadu	www.iitm.ac.in
Indian Institute of Technology, Kharagpur	Kharagpur, West Bengal	www.iitkgp.ac.in
Indian Institute of Technology, Guwahati	Guwahati, Assam	www.iitg.ac.in
Birla Institute of Technology and Science	Pilani, Rajasthan	www.bits-pilani.ac.in
Indian Institute of Technology, Roorkee	Roorkee, Uttarakhand	www.iitr.ac.in
Delhi Technological University (Formerly known as DCE)	Delhi	www.dtu.ac.in
Indian Institute of Technology, BHU	Varanasi, Uttar Pradesh	www.iitbhu.ac.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

National Institute of Technology, Tiruchirappalli	Tiruchirappalli, Tamil Nadu	www.nitt.edu
National Institute of Technology, Warangal	Warangal, Telangana	www.nitw.ac.in
International Institute of Information Technology	Hyderabad, Telangana	www.iiit.ac.in
National Institute of Technology Karnataka	Surathkal, Karnataka	www.nitk.ac.in
Motilal Nehru National Institute Of Technology	Allahabad, Uttar Pradesh	www.mnnit.ac.in
Indian School of Mines (ISM)	Dhanbad, Jharkhand	www.ismdhanbad.ac.in
Anna University	Chennai, Tamil Nadu	www.annauniv.edu
National Institute of Technology, Durgapur (NIT Durgapur)	Durgapur, West Bengal	www.nitdgp.ac.in
National Institute of Technology, Kurukshetra	Kurukshetra, Haryana	www.nitkkr.ac.in
Indian Institute of Technology, Hyderabad	Hyderabad, Telangana	www.iith.ac.in
SRM Institute of Science & Technology	Chennai, Tamil Nadu	www.srmuniv.ac.in
Manipal Institute of technology	Manipal, Karnatka	www.manipal.edu

List of some Colleges in Gujarat

Name	Place	Website
Sardar Vallabhbhai National Institute of Technology (SVNIT Surat)	Surat	www.svnit.ac.in
Indian Institute of Technology, Gandhinagar	Gandhinagar	www.iitgn.ac.in
Dhirubhai Ambani Institute of Information and Communication Technology	Gandhinagar	www.daiict.ac.in
Center for Environmental Planning and Technology (CEPT University)	Ahmedabad	www.cept.ac.in
Nirma University	Ahmedabad	www.nirmauni.ac.in
St. Xavier's College	Ahmedabad	www.xaviers.edu
C K Pithawala College of Engineering & Technology	Surat	www.ckpcet.ac.in
G H Patel College of Engineering & Technology	Vallabh Vidhyanagar	www.gcet.ac.in
Gujarat University	Ahmedabad	www.gujaratuniversity.ac.in
Hemchandracharya North Gujarat University	Patan	www.ngu.ac.in
L.D. College of Engineering	Ahmedabad	www.ldce.ac.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Adani Institute of Infrastructure Engineering	Ahmedabad	www.aiie.ac.in
Bhagwan Mahavir College of Engineering and Technology	Surat	www.bmefcolleges.edu.in
Sarvjanik College of Engineering and Technology	Surat	www.scet.ac.in
Institute of Infrastructure Technology Research and Management	Ahmedabad	www.iitram.ac.in
School of Engineering and Applied Sciences, Rai University	Dholka, Ahmedabad	www.raiversity.edu
Government Engineering College	Bharuch	www.gecbharuch.com
Indus Institute of Technology and Engineering	Kalol, Gandhinagar	www.iite.indusuni.ac.in
Gandhinagar Institute of Technology	Kalol, Gandhinagar	www.git.org.in
School of Technology, GSFC University	Vadodara	www.gsfcuni.edu.in
Parul Institute of Technology	Limda, Waghodia	www.parul.ac.in
Neotech Institute of Technology	Vadodara	www.neotech.ac.in

Note: Visit www.gtuinfo.in for more information.

Eligibility

After 10+2 with Physics, Chemistry and Mathematics a student can do an Under Graduate course in Engineering.

Course	Eligibility	Duration
B.E. or B.Tech (Bachelor of Engineering or Bachelor of Technology)	10+2 with PCM	4 Years
Dual Degree Programme (B.Tech/ M.Tech)	10+2 with PCM	5 Years
Integrated Degree Programme (M.Tech)	10+2 with PCM	5 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

ARCHITECTURE

Architecture is both an art and science, dealing with design and development of physical structure, from the macro level of urban planning to the micro level-basic construction details. Architects design, plan, and supervise the construction of buildings. They are responsible for the safety, usefulness, and aesthetics of their building.

In India the architecture course does not provide any particular specialization. Similar to MBBS course, the five years curriculum includes almost all necessary basic aspects of the field to become an professional architect. However if one wants to go for higher studies in a particular aspect in this field there are several specialization courses.

- Landscape Design
- Housing
- Town and City Planning
- Architecture Journalism
- Interior Design
- Urban and Regional Planning
- Infrastructure Design
- Building Technologies
- Sustainable Environmental Design
- Commercial Building Design
- Architecture Conservation
- Hill Architecture
- Vernacular Architecture
- Low Cost Design

Competitive Exams

Name	Website
NATA (National Aptitude Test in Architecture)	www.nata.nic.in

List of some Colleges in India

Name	Place	Website
School of Planning and Architecture	Delhi	www.spa.ac.in
Indian Institute of Technology, Kharagpur	Mumbai, Maharashtra	www.iitkgp.ac.in
Indian Institute of Technology, Roorkee	Delhi	www.iitr.ac.in
Sir J.J. College of Architecture	Mumbai	www.sirjjschoolofart.in
National Institute of Technology (NIT)	Tiruchirappalli	www.nitt.edu
Jadavpur University	Kolkata	www.jaduniv.edu.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Birla Institute of Technology	Mesra, Ranchi	www.bitmesra.ac.in
Chandigarh College of Architecture	Chandigarh	www.cca.nic.in
Jamia Millia Islamic University	New Delhi	www.jmi.ac.in
National Institute of Technology	Calicut	www.nitc.ac.in
Rizvi College of Architecture	Mumbai	www.rizviarchitecture.com
Manipal University	Manipal	www.manipal.edu
Anna University	Chennai	www.annauniv.edu
Maulana Azad National Institute of Technology	Bhopal	www.manit.ac.in
Malaviya National Institute of Technology	Jaipur	www.mnit.ac.in
Visvesvaraya National Institute of Technology	Nagpur	www.vnit.ac.in
Vastu Kala Academy	New Delhi	www.vakaarchitecture.com
M.S. Ramaiah Institute of Technology	Bengaluru	www.msrit.edu
National Institute of Technology	Hamirpur	www.nith.ac.in
GITAM School of Architecture	Visakhapatnam	www.gitam.edu/GSA/

List of some Colleges in Gujarat

Name	Place	Website
Center for Environmental Planning and Technology (CEPT)	Ahmedabad	www.cept.ac.in
Nirma University	Ahmedabad	www.nirmauni.ac.in
Indus University	Ahmedabad	www.indusuni.ac.in
Maharaja Sayajirao University of Baroda	Vadodara	www.msubaroda.ac.in
Indubhai Parekh School of Architecture	Rajkot	www.ipsarajkot.org
Arvindbhai Patel Institute of Environmental Design (APIED)	Anand	www.apied.edu.in
Vadodara Design Academy	Vadodara	www.vda.ac.in
Navrachana University	Vadodara	www.nuv.ac.in
Hemchandracharya North Gujarat University	Patan	www.ngu.ac.in
Grow More School of Architecture	Himmatnagar	www.growmore.ac.in/index.php/grow-more-school-of-architecture.html

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Ganpat University	Mehsana	www.ganpatuniversity.ac.in
Gujarat Technological University	Ahmedabad	www.gtu.ac.in
Marwadi Education Foundation	Rajkot	www.marwadieducation.edu.in
P P Savani Knowledge City	Surat	www.ppsuni.ac.in
SCET, Faculty of Architecture	Surat	www.scetarch.ac.in

Eligibility

After 10+2 with Physics and Mathematics/ Mathematics a student can do an Under Graduate course in Architecture.

OR

3 Years Diploma after 10 years of schooling with Mathematics and English as compulsory subjects

Course	Eligibility	Duration
B.Arch. (Bachelor of Architecture)	10+2 with Mathematics	5 Years
Bachelor of Design (Interior Design)	10+2	4 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

MERCHANT NAVY

The merchant Navy is a non-combatant commercial fleet, which deals with transporting cargo and occasionally, passengers, by sea. The main positions open in the merchant navy are for navigating officers, radio officers and marine engineers.

Eligibility

After 10+2 with PCM a student can do an Under Graduate Course in Merchant Navy.

Course	Eligibility	Duration
B.Sc. Nautical Science	10+2 with PCM Should qualify in medical fitness test for sea service, eyesight 6/6 with no colour blindness	3 Years
BE / BTech Marine Engineering	10+2 with PCM Should qualify in medical fitness test for sea service, eyesight 6/6 with no colour blindness	4 Years
B.Sc. (Nautical Technology)	10+2, 60% aggregate with PCM and 50% in English in class 10 or 12	4 Years
B.Sc. (Maritime Science)	10+2, 60% aggregate with PCM and 50% in English in class 10 or 12	3 Years
B.Sc. in Maritime Hospitality Studies	10+2, 50% aggregate with PCM and 50% in English in class 10 or 12	3 Years

List of some Colleges in India

Name	Place	Website
Lal Bahadur Shastri College of Advanced Maritime Studies & Research	Mumbai	www.imumumbai.com/ibsabouts.html
Marine Engineering & Research Institute (MERI)	Mumbai	www.merimumbai.net
Marine Engineering & Research Institute (MERI)	Kolkata	www.merical.ac.in
Training Ship Chanakya	Mumbai	www.imumubai.com
B P Marine Academy	Mumbai	www.bpmarineacademy.com
VELS University	Chennai	www.velsmaritime.com

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

MEDICINE

Medicine is a noble profession. It is the science and art of healing. It encompasses a variety of health care practices evolved to maintain and restore health by the prevention and treatment of illness.

The major areas of specialization include the following:

- General Medicine
- General Surgery
- Pediatrics
- Cardiology
- Obstetrics and Gynecology
- Neurology
- Dermatology
- ENT
- Psychiatry
- Endocrinology
- Hematology
- Radiology
- Pathology
- Orthopedics
- Urology
- Nephrology
- Gastroenterology
- Anesthesiology
- Bachelor of Ayurvedic Medicine and Surgery (BAMS)
- Bachelor of Dental Surgery (BDS)
- Bachelor of Homeopathy Medicine and Surgery (BHMS)
- Diploma in Homeopathy Medicine and Surgery (DHMS)
- Bachelor of Naturopathy and Yogic Science (BNYS)
- Bachelor of Siddha Medicine and Surgery (BSMS)
- Bachelor in Veterinary Science and Animal Husbandry (B.V.Sc & AH)

Competitive Exams

Name	Website
NEET (National Eligibility cum Entrance Test)	www.neet2018nic.co.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

List of some Colleges in India

Name	Place	Website
MEDICINE		
AIIMS (All India Institute of Medical Sciences)	New Delhi	www.aiims.edu
Christian Medical College	Vellore, Tamil Nadu	www.cmch-vellore.edu
Jawaharlal Institute of Postgraduate Medical Education and Research	Puducherry	www.jipmer.edu.in
Grant Medical College and Sir JJ Group of Hospitals	Mumbai, Maharashtra	www.gmcjjh.org
AFMC (Armed Forces Medical College)	Pune, Maharashtra	www.afmc.nic.in
Maulana Azad Medical College	New Delhi	www.mamc.ac.in
St John's Medical College	Bengaluru, Karnataka	www.stjohns.in
Madras Medical College	Chennai, Tamil Nadu	www.mmc.ac.in
University College of Medical Science	Delhi	www.ucms.ac.in
Lady Hardinge Medical College	New Delhi	www.hardinge.org
Christian Medical College	Ludhiana, Punjab	www.cmcludhiana.in
Institute of Post Graduate Medical Education and Research	Kolkata, West Bengal	www.ipgmer.gov.in
R G Kar Medical College and Hospital	Kolkata, West Bengal	www.rgkarmch.org
IMS BHU (Institute of Medical Sciences BHU)	Varanasi, Uttar Pradesh	www.bhu.ac.in
King Edward Memorial Hospital and Seth Gordhandas Sunderdas Medical College	Mumbai, Maharashtra	www.kem.edu
Government Medical College and Hospital	Chandigarh	www.gmch.gov.in
Bangalore Medical College and Research Institute	Bengaluru, Karnataka	www.bmcri.org
Medical College and Hospital	Kolkata, West Bengal	www.medicalcollegekolkata.org
AYURVEDA		
Shri Dhanwantri Ayurvedic Medical College and Research Center	Mathura, U.P.	www.shridhanwantrigroup.com
Rishikul Ayurvedic College and Hospital	Haridwar, Uttarakhand	www.rishikulayurveda.com

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Vaidyaratnam P.S. Varier Ayurveda College	Kerala	kottakkalayurvedacollege.ac.in
National Institute of Ayurveda	Jaipur	www.nia.nic.in
DENTISTRY		
M S Ramaiah Dental College and Hospital	Bengaluru	www.msruas.ac.in/academics/dental_science
Sree Sai Dental College & Research Institute	Srikakulam	www.ssdcri.com
GITAM Dental College & Hospital	Rushikonda, Visakhapatnam	www.gitamdentalcollege.org
Sibar Institute of Dental Sciences	Andhra Pradesh	www.sids.ac.in
Narayana Dental College & Hospital	Nellore, Andhra Pradesh	www.narayanadentalcollege.com
CKS Dental College	Tirupati	www.cksdental.com
SDM College of Dental Sciences & Hospital	Karnataka	www.sdmcds.org
Government Dental College & Research Institute	Bangalore	www.karnataka.gov.in/gdcrib/
HOMEOPATHY		
Govt Homeopathic Medical College	Kozhikode, Kerala	www.ghmck.org
Nehru Homeopathic Medical College and Hospital	New Delhi	www.nhmc.delhigovt.nic.in
Sarada Krishna Homeopathic Medical College and Hospital	Kanyakumari, Tamil Nadu	www.skhmc.org
VETERINARY		
ICAR- Indian Veterinary Research Institute	Bareilly	www.ivri.nic.in
Veterinary College	Hebbal, Bengaluru	www.kvafsu.kar.nic.in/Colleges/
Shri venkateshwara Veterinary University	Tirupati	www.svvu.edu.in
The College of Veterinary and Animal Sciences	Bikaner, Rajasthan	www.rajuvas.org

List of some Colleges in State

Name	Place	Website
Smt. NHL Municipal Medical College	Ahmedabad	www.nhlmmc.edu.in
B.J. Medical College	Ahmedabad	www.bjmc.org

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

C U Shah Science College	Ahmedabad	www.cushahsciencecollege.org
GCS Medical College Hospital and Research Center	Ahmedabad	www.gcsmc.org
GMERS Medical College and Hospital	Gandhinagar	www.gmersmchgandhinagar.com
Gujarat Adani Institute of Medical Science	Bhuj, Kutch	www.gaims.ac.in
M.P. Shah Government Medical College	Jamnagar	www.mpsmc.in
Pandit Deendayal Upadhyay Medical College	Rajkot	www.pdumcrajkot.org
SMIMER (Surat Miniciple Institute of Medial Education & Research)	Surat	www.smimer.suratmunicipal.gov.in
The Gujarat Cancer and Research Institute	Ahmedabad	www.gcricindia.org

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Medical.

Course	Eligibility	Duration
Bachelor of Medicine and Bachelor of Surgery (MBBS)	10+2 with PCB	5 ½ Years including internship
Bachelor of Ayurvedic Medicine and Surgery (BAMS)	10+2 with PCB	5 ½ Years including internship
Bachelor of Dental Surgery (BDS)	10+2 with PCB	5 Years
Bachelor of Homeopathy Medicine and Surgery (BHMS)	10+2 with PCB	5 ½ Years including internship
Diploma in Homeopathy Medicine and Surgery (DHMS)	10+2 with PCB	4 Years
Bachelors in Veterinary Science and Animal Husbandry (B.V.Sc. & AH)	10+2 with PCB	5 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

PARA-MEDICINE

Paramedical services are those services, which assist medical professionals doctors (in one or many forms. Para-medical professionals support the medical team with closely related functions for complete diagnosis and treatment.

Specialization and Nature of Work

Physiotherapy is a branch of medical science, which is concerned with the assessment, evaluation, and treatment of physical ability, pain resulting from injury, disease or other health and movement related problems.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Physiotherapy.

Course	Eligibility	Duration
Bachelor of Physiotherapy (BPT)	10+2 with PCB	4 Years
Diploma in Physiotherapy	10+2 with PCB	2 Years

Pharmacy: A pharmacist's job is to prepare, mix, compound, or dispense drugs and medicines, ointments, powders, pills, tablets and injections on the prescription of a medical practitioner, dentist or veterinarian. They may specialize in area as Community Pharmacy, Wholesalers' Pharmacy/ manufacturing industry, Hospital Pharmacy or research and Training. They may also work in areas like Quality Assurance Health Manager, Medical Transcription, Sales and Manager etc.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Pharmacy.

Course	Eligibility	Duration
Bachelor of Pharmacy(B. Pharma)	10+2 with PCB or PCM	4 Years
Diploma in Pharmacy	10+2 with PCB or PCM	2 Years

Nursing: It is one of the most popular paramedical professions and forms a vital part of medical care. It involves providing comfort, hygiene, administering prescribed medication for the successful recovery of the patient.

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Nursing.

Course	Eligibility	Duration
B. Sc. In Nursing	10+2 with PCB	4 Years
Diploma in Nursing and Midwifery (GNM)	10+2 with PCB	3½ Years

Occupational Therapy: It focuses on helping individuals with mental or physical illness / disability to come back to normalcy. Occupational therapist uses various methods like recreational, creative and educational activities in the treatment of their patients to assist them in maximum recovery and becoming normal after a prolonged disabling illness.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Occupational therapy.

Course	Eligibility	Duration
Bachelor of Occupational Therapy (BOT)	10+2 with PCB	4 Years
B. Sc. in Occupational Therapy	10+2 with PCB	3 Years

Audiology and Speech Therapist: Audiology is the study of hearing disorders. These professionals treat people who are unable to speak or hear clearly. Speech therapist uses instruments as well as written and oral test to determine the nature and extent of impairment. Also, they work towards improving patient's communication skills.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Audiology and speech Therapy.

Course	Eligibility	Duration
B.Sc. in Audiology	10+2 with PCB	4 Years
B.Sc. in Speech/ Language Therapy	10+2 with PCB	4 Years
Diploma in hearing, Language and Speech (DHLS)	10+2 with PCB	1 Years
B.Sc.(Speech and Hearing)	10+2 with PCB & Entrance Examination	4 Years + 1 year internship
Bachelor of Audiology, Speech language pathology (B.ASLP)	10+2 with PCB or PCM	4 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Medical Technology: Medical technologists examine and analyze body fluids, tissues, blood micro-organisms, screening, chemical analyses, cell counts etc. of human body. They collect the information needed for treating most pathology cases by sampling, testing, analyzing and reporting such investigations.

Eligibility

After 10+2 with Physics, Chemistry and Biology or Mathematics a student can do an Under Graduate course in Medical technology.

Course	Eligibility	Duration
B.Sc. Medical Laboratory Technology B.Sc. – M.L.T	10+2 with PCB or PCM	3 Years

Radiography: Radiographers take x-ray of body parts used in diagnosing medical problems. They conduct the x-ray of the patient's body, make the exposure, and then develop the x-ray film.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Radiography.

Course	Eligibility	Duration
B.Sc. degree in Radiography	10+2 with PCB	3 Years
Certificate Course in Radiography	10+2 with PCB	2 Years

Prosthetics and Orthotics: Prosthetics and Orthotics help rehabilitate physically handicapped individuals who have lost certain limbs. They also spend time teaching the patient and their families on the use and maintenance of these parts.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Prosthetics and Orthotics.

Course	Eligibility	Duration
Bachelors' degree course in Prosthetics and Orthotics	10+2 with PCB	4 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Optometry: The optometrist's work is to provide complete vision care, and he/she does so by testing, diagnosing, designing and fitting lenses to restore proper vision.

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in Optometry.

Course	Eligibility	Duration
Bachelor in Optometry and Vision Science	10+2 with PCB or PCM	4 Years
B.Sc. (Hons) Ophthalmic Tech	10+2 with PCB	3 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

RESEARCH (B.Sc Hons)

If you are deeply interested in pursuing a career in academics or research, B.Sc (Hons) in subjects like Physics, Chemistry, Zoology or Botany will help you do just that. You can further your prospects by doing a masters degree and then moving on to research and working as a junior research fellow in any reputed research institute. You can also pursue a career as a lecturer in any university or get jobs in chemical industry, pharmaceutical industry, or in government organizations like ONGC.

The major areas of specialization include the following:

- **Physics** – Physics is the study of the natural and fundamental science called Physics that involves the study of matter and its motion through space and time, as well as all applicable concepts, such as energy and force in addition to study of the normal bachelor of Science subjects like Mathematics and Chemistry. B.Sc (Hons) Physics degree covers the study of a wide range of phenomena, from the smallest sub-atomic particles (such as quarks, neutrinos and electrons), to the largest galaxies.

B.Sc.(Hons.) Physics Specializations:

Acoustical Physics

Astrophysics

Astronomy

Biophysics

Fiber Optical Physics

Fluid Physics

Geophysics

Materials Physics

Medical/ Health Physics

Molecular Physics

Nuclear Physics

Optical Physics

Plasma Physics

- **Chemistry** – Chemistry is the science of the composition, structure, properties and reactions of matter, especially of atomic and molecular systems. B.Sc (Hons.) Chemistry degree course also includes the study of atomic structure, chemical bonding, thermodynamics, chemistry of various elements, classes of organic compounds, electrochemistry, coordination chemistry, quantum mechanics, etc.
- **Zoology** - Zoology is a science that involves the study of the animal kingdom, both living and extinct. Zoologists, as a result, are also referred to as Animal Scientists. Zoologists analyze the structure, life processes, physiology, and classification of different species in detail. They also analyze how different animals interact with each other and adapt to their environments. They conduct research on both the species and individual organisms by collecting and analyzing data in laboratories and outdoor environments.
- **Microbiology** - It is the study of microscopic organisms such as bacteria, fungi, viruses etc. and their interactions with humans, animals, plants and other organisms in the environment. Microbiologists research and investigate how different microorganisms

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

affect our lives. It consists of various subfields such as virology, bacteriology, parasitology, mycology etc.

- **Biochemistry** - It is a branch of science that involves the study of chemical processes and substances which occur within living organisms. It is a laboratory-based science that brings together biology and chemistry, as biochemists solve biological problems through concepts of chemistry. Examples of work include improving the process of photosynthesis to improve crop yield, discovery and development of new chemical process to produce biofuel, etc.
- **Environmental Science** - Environmental science is an essential field in the current world, and involves the study of the physical, chemical and biological components of the environment and their interactions. Environmental scientists investigate environmental issues such as global warming, ozone depletion, waste management, water pollution, etc., and how these issues can be dealt with.
- **Genetics** - This interesting field involves the study of genes and their functions, genetic variations and heredity of living organisms. Professionals in this field study genetic diseases, anomalies, traits, mutations, how genes are transmitted, interactions of genes with their environment, etc. Geneticists can apply their knowledge to as diverse areas as treating patients with genetic anomalies, to developing pharmaceutical products.
- **Bioinformatics** - This field combines biology, computer science, and information technology. Professionals in this field work on developing and using tools and techniques for analyzing biological data. For example, a bioinformatics professional might develop a software for accessing and analyzing data from biomedical and pharmaceutical studies.
- **Physiology** - It is the study of bodily functions, activities and mechanisms of living organisms, especially humans. Physiologists generally study a wide variety of topics including organs, anatomy, cells, biological compounds, and muscles, and how they interact and work together to keep the body functioning. In addition to studying human physiology, there are other branches of the field, including plant physiology, cellular physiology, microbial physiology, etc.
- **Marine Biology** - It is a field of knowledge involving the study of marine organisms, including their behavior, and interactions with the environment. Another related career to this is Fishery Science. The field of marine biology is quite diverse, and there is no single job by the name of “marine biologist”, and any professional closely involved with marine life and organisms can hold this title.
- **Biotechnology** - It is a field that combines biology and technology. It utilizes living organisms such as cells and bacteria in the industrial process. Biotechnology professionals work on different areas to improve our life, including developing cleaner and safer fuels, improving crop yields, improving the production of food items, developing drugs to deal with deadly diseases, etc.
- **Biophysics** - This field combines the principles of Physics with those of Biology. Biophysicists study organisms at the cellular and molecular level using the methods and approaches of Physics. It is an advancing field, involving state-of-the-art technology, physical measurements and computational models.
- **Biomedical Science** - It is an applied science that combines different aspects of different disciplines to develop interventions, technology and knowledge in the domain of health care. Biomedical scientists work to study how cells, organs, and processes function in the human body, and thus, their work is applied to the understanding and treatment of diseases.

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

- **Food and Agriculture** - This is a wide domain consisting of various fields related to the understanding of biological and chemical processes that affect plants, dairy, and the production of food. It includes fields such as food science & technology, agronomy, horticulture, dairy technology, agricultural engineering, etc.
- **Allied Medicines** - If you are really keen on pursuing a Medical career, yet don't wish to go down the challenging road of an M.B.B.S, then the Allied Medicine domain could be the one for you. This is again a wide domain that consists of different healthcare careers that are distinct from doctors, yet assist doctors in their work. These include a wide range of careers such as Physiotherapy, Audiology, Occupational Therapy, Medical Lab Technology, Clinical Research, Radiology, etc. The career paths, colleges and opportunities for each of these careers are very vast.
- **Botany** - It is a well-established branch of biology that involves the study of plants, their structure, processes, growths, etc. Those in the field of Botany conduct research and observation to discover new species, study the interactions of plants with different organisms in their environment, genetic formation of plants, etc.
- **Anthropology** - Armed with a science background you can pursue a course in anthropology which traces the biological and the socio-cultural evolution of humans right from their origin. After completing your higher studies in anthropology, you can work as a curator, urban planner, tour guide, culture resource manager or work as a research scholar.

List of some Colleges in India

Name	Place	Website
PHYSICS/ CHEMISTRY		
St. Stephen's College	Delhi	www.ststephens.edu
Loyola College	Chennai	www.loyolacollege.edu
Department of Science (Christ University)	Bengaluru	christuniversity.in/sciences/life-sciences
Miranda House	Delhi	www.mirandahouse.ac.in
Hansraj College	Delhi	www.hansrajcollege.ac.in
Fergusson College	Pune	www.fergusson.edu
Madras Christian University	Chennai	www.mcc.edu.in
Hindu College	New Delhi	www.hinducollege.ac.in
Sri Venkateswara College	Delhi	www.svc.ac.in
Ramjas College	Delhi	www.ramjascollege.edu
Stella Maris College	Chennai	stellamariscollege.org

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

ZOOLOGY		
Loyola College	Chennai	www.loyolacollege.edu
St. Xavier's College	Mumbai	www.xaviers.edu/main/
Christ University	Bengaluru	www.christuniversity.in/
Madras Christian College	Chennai	www.mcc.edu.in
The Oxford College of Science	Bengaluru	www.theoxford.edu
Stella Maris College	Chennai	www.stellamariscollege.org
Fergusson College	Pune	www.fergusson.edu
Hansraj College	Delhi	www.hansrajcollege.co.in
Presidency College	Chennai	www.presidencychennai.com
Miranda House	Delhi	www.mirandahouse.ac.in
Gargi College	Delhi	www.gargi.du.ac.in
St Joseph's College	Calicut	www.sjc.ac.in
Hindu College	New Delhi	www.hinducollege.org
Ethiraj College For Women	Chennai	www.ethirajcollege.in
St. Xavier's College	Kolkata	www.sxccal.edu
St. Albert's College	Kerala	www.alberts.ac.in
BOTANY		
St. Teresa's College	Cochin	www.teresas.ac.in/
Faculty of Science, Banaras Hindu University	Varanasi	www.bhu.ac.in/science/botany/
Mount Carmel College	Bengaluru	www.mountcarmelcollegeblr.co.in/
Maitreyi College	New Delhi	www.maitreyi.ac.in/
Sacred Heart College	Kochi	www.shcollege.ac.in/Home
Aligarh Muslim University	Uttar Pradesh	www.amu.ac.in/
MICROBIOLOGY		
University of Delhi	Delhi	www.gargi.du.ac.in
University of Madras	Chennai	www.mcc.edu.in
Bangalore University	Bengaluru	www.theoxford.edu

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Savitribai Phule Pune University	Pune	www.fergusson.edu
University of Madras	Chennai	www.ethirajcollege.in
University of Calcutta	Kolkata	www.scottishchurch.ac.in
University of Mumbai	Mumbai	www.jaihindcollege.com
University of Calcutta	Kolkata	www.maulanaazadcollege.in
University of Mumbai	Mumbai	www.siesascs.edu.in
University of Mumbai	Mumbai	www.mithibai.ac.in
University of Mumbai	Mumbai	www.somaiya.edu/lang/en
University of Mumbai	Mumbai	www.gnkhalsa.edu.in
BIOCHEMISTRY		
Sri Venkateswara College	New Delhi	www.du.ac.in/du/
St. Xavier's College	Mumbai	xaviers.edu/main/
Daulat Ram College	New Delhi	www.du.ac.in/du/
Institute of Home Economics	New Delhi	www.du.ac.in/du/
Presidency University	Kolkata	www.presiuniv.ac.in/
Christian Medical College	Vellore	www.cmch-vellore.edu/
Aligarh Muslim University	Aligarh	www.amu.ac.in/
Jawaharlal Nehru University	New Delhi	www.jnu.ac.in/index.asp
Mumbai University	Mumbai	www.mu.ac.in/
The Oxford College of Science	Bengaluru	www.theoxford.edu/college_of_science/
Fergusson college	Pune	www.fergusson.edu/
Banaras Hindu University	Varanasi	www.bhu.ac.in/
ENVIRONMENTAL SCIENCE		
Fergusson College	Pune	www.fergusson.edu/
Mount Carmel College	Bengaluru	www.mountcarmelcollegeblr.co.in/
Loyola college	Chennai	www.loyolacollege.edu/
Christ University	Bengaluru	www.christuniversity.in/
Miranda House	Delhi	www.mirandahouse.ac.in/

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Hansraj College	Delhi	www.hansrajcollege.ac.in/
Hindu College	New Delhi	www.hinducollege.ac.in/
Shri Venkateswara college	New Delhi	www.svc.ac.in/
Ramjas College	Delhi	www.ramjascollege.edu/
Gargi College	New Delhi	www.gargi.du.ac.in/
University of Delhi	Delhi	www.du.ac.in/
Jawahral Nehru University (JNU)	New Delhi	www.jnu.ac.in/
Aligarh Muslim University	Uttar Pradesh	www.amu.ac.in/
Indian Institute of Environment Management	Mumbai	www.siesiem.edu.in/
Jamia Hamdard University	Delhi	www.jamiahamdard.edu/
Guru Gobind Singh Indraprastha University	Delhi	www.ipu.ac.in/
Bangalore University	Bengaluru	www.bangaloreuniversity.ac.in/
Andhra University	Vishakhapatnam	www.andhrauniversity.edu.in/
University of Madras	Chennai	www.unom.ac.in/
Anna University	Chennai	www.annauniv.edu/
Teri University	New Delhi	www.teriuniversity.ac.in/
GENETICS		
Indian Institute of Science Education and Research	Multiple Locations	www.iiseradmission.in/
The Oxford College of Science	Bengaluru	www.theoxford.edu
Guru Nanak Dev University	Amritsar	www.gndu.ac.in/
Bangalore City College	Bengaluru	www.bangalorecitycollege.org
Institute of Genetic Engineering	Kolkata	www.ige-india.com/
Kurukshetra University	Kurukshetra	www.kuk.ac.in/
University of Calicut	Calicut	www.universityofcalicut.info
Garden City College	Bengaluru	www.gardencitycollege.edu/
MS Ramaiah College of Arts Science and Commerce	Bengaluru	www.msrmasc.edu.in/
Indian Academy Degree College	Bengaluru	www.indianacademy.edu.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

SRM University	Ramapuram	www.srmuniv.ac.in/ramapuram/
Karnatak University	Dharwad	www.kud.ac.in
University of Madras	Chennai	www.unom.ac.in/
University of Delhi, South campus	Delhi	www.du.ac.in/
Vellore Institute of Technology	Vellore	www.vit.ac.in/
Andhra University	Visakhapatnam	www.andhrauniversity.edu.in/
Banaras Hindu University	Varanasi	www.bhu.ac.in/
Punjab Agricultural University	Ludhiana	www.web.pau.edu/
BIOINFORMATICS		
Fergusson College	Pune	www.fergusson.edu/
Mount Carmel College	Bengaluru	www.mountcarmelcollegeblr.co.in/
Loyola college	Chennai	www.loyolacollege.edu/
Christ University	Bengaluru	www.christuniversity.in/
Miranda House	Delhi	www.mirandahouse.ac.in/
Hansraj College	Delhi	www.hansrajcollege.ac.in/
Hindu College	New Delhi	www.hinducollege.ac.in/
Shri Venkateswara college	New Delhi	www.svc.ac.in/
Ramjas College	Delhi	www.ramjascollege.edu/
Gargi College	New Delhi	gargi.du.ac.in/
Stella Maris College	Chennai	www.stellamariscollege.org/
Savitribai Phule Pune University	Pune	www.unipune.ac.in/
Bangalore University	Bengaluru	www.ibioinformatics.org/
Jawaharlal Nehru University	New Delhi	www.jnu.ac.in/
Institute of Bioinformatics and Applied Biotechnology (IBAB)	Bengaluru	www.ibab.ac.in/
Bioinformatics Institute of India	Noida	www.bii.in/
Dr. D. Y. Patil Biotechnology & Bioinformatics Institute	Pune	www.biotech.dpu.edu.in/
Mumbai University	Mumbai	www.mu.ac.in/
Jamia Milia Islamia	New Delhi	www.jmi.ac.in/

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Pondicherry University	Pondicherry	www.pondiuni.edu.in/
PHYSIOLOGY		
Indian Institute of Science	Bengaluru	www.iisc.ac.in/
University of Calcutta	Kolkata	www.caluniv.ac.in/
Manipal University	Manipal	www.manipal.edu/mu.html
University of Madras	Chennai	www.unom.ac.in/
Bhairab Ganguly College	Kolkata	www.bhairabgangulycollege.ac.in/
Women's College	Agartala	www.womenscollege.nic.in/index.html
Surendranath College	Kolkata	www.surendranathcollege.org/
Baba Farid University of Health Sciences	Punjab	www.bfuhs.ac.in/
MARINE BIOLOGY		
Indian Maritime University	Coimbatore	www.imu.edu.in/
Centre for Atmospheric Science	Delhi	www.cas.iitd.ac.in/
National Institute of Oceanography	Goa	www.nio.org/
Andhra University	Vishakhapatnam	www.andhrauniversity.edu.in/
University of Madras	Chennai	www.unom.ac.in/
Cochin University of Science and Technology	Kochi	www.cusat.ac.in/
Pondicherry University	Pondicherry	www.pondiuni.edu.in/
Goa University	Goa	www.unigoa.ac.in/
Annamalai University	Tamil Nadu	www.annamalaiuniversity.ac.in/
Berhampur University	Odisha	www.buodisha.edu.in/
University of Calicut	Kerala	www.universityofcalicut.info/
Karnatak University	Karwar	www.kud.ac.in/
Bharathidasan University	Tiruchirappalli	www.bdu.ac.in/
BIOTECHNOLOGY		
Fergusson College	Pune	www.fergusson.edu/
Loyola College	Chennai	www.loyolacollege.edu/

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Presidency University	Kolkata	www.presiuniv.ac.in/
Christ University	Bengaluru	www.christuniversity.in
Mount Carmel College	Bengaluru	www.mountcarmelcollegeblr.co.in/
Madras Christian College	Chennai	www.mcc.edu.in/
Jawaharlal Nehru University	Delhi	www.jnu.ac.in/main/
Jamia Milia Islamia	New Delhi	www.jmi.ac.in/
Manipal University	Manipal	www.manipal.edu/mu.html

Eligibility

After 10+2 with Physics, Chemistry and Biology a student can do an Under Graduate course in B.Sc.

Course	Eligibility	Duration
B.Sc (Hons) Physics	10+2 with PCB or PCM	3 Years
B.Sc (Hons) Chemistry	10+2 with PCB or PCM	3 Years
B.Sc (Hons) Biochemistry	10+2 with PCB or PCM	3 Years
B.Sc (Hons) Bioinformatics	10+2 with PCB or PCM	3 Years
B.Sc (Hons) Marine Biology	10+2 with PCB or PCM	3 Years
B.Sc (Hons) Food and Agriculture	10+2 with PCB or PCM	3 Years
B.Sc (Hons) Zoology	10+2 with PCB	3 Years
B.Sc (Hons) Botany	10+2 with PCB	3 Years
B.Sc (Hons) Microbiology	10+2 with PCB	3 Years
B.Sc (Hons) Environmental Science	10+2 with PCB	3 Years
B.Sc (Hons) Genetics	10+2 with PCB	3 Years
B.Sc (Hons) Physiology	10+2 with PCB	3 Years
B.Sc (Hons) Biotechnology	10+2 with PCB	3 Years
B.Sc (Hons) Biophysics	10+2 with PCB	3 Years
B.Sc (Hons) Biomedical Science	10+2 with PCB	3 Years
B.Sc (Hons) Allied Medicines	10+2 with PCB	3 Years
B.Sc (Hons) Anthropology	10+2 with PCB	3 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

KISHORE VAIGYANIK PROTSAHAN YOJANA (KVPY)

The Kishore Vaigyanik Protsahan Yojana (KVPY) is an on-going National Program of Fellowship in Basic Sciences, initiated and funded by the Department of Science and Technology, Government of India, to attract exceptionally highly motivated students for pursuing basic science courses and research career in science.

Eligibility

Course	Eligibility	Current Class
B.Sc./ B.S./ B.Stat./ B.Math./ Int. M.Sc./ Int. M.S.	Secure min. of 75% (65% for SC, ST, PWD) marks in aggregate in MATHEMATICS and SCIENCE in Class X.	XI Standard (Science Stream) <u>STREAM SA</u>
Undergraduate program in Basic Sciences namely Physics/ Chemistry/ Mathematics & Biology leading to B.Sc./ B.S./ B.Stat./ B.Math./ Int. M.Sc./ Int. M.S.	Secure min. of 75% (65% for SC, ST, PWD) marks in aggregate in MATHEMATICS and SCIENCE (Physics/ Chemistry/ Biology) in Class X and min. of 60% (50% for SC,ST, PWD) marks in aggregate in MATHEMATICS and SCIENCE (Physics/ Chemistry/ Biology) in Class XII	XII Standard (Science Stream) <u>STREAM SX</u>
For Fellowship	Secure min. of 60% (50% for SC,ST, PWD) marks in aggregate in MATHEMATICS and SCIENCE (Physics/ Chemistry/ Biology) in Class XII and 60% (50% for SC, ST, PWD) marks in 1 st year final examination of Basic Science Course.	I Year of Undergraduate program in Basic Sciences <u>STREAM SB</u>

List of some Colleges in India

Name	Place	Website
Indian Institute of Science (IISc)	Bengaluru	www.iisc.ac.in
International Institute of Information Technology (IIIT)	Hyderabad	www.iiit.ac.in
Indian Institute of Science Education and Research (IISER)	Berhampur	www.iiserbpr.ac.in
Indian Institute of Science Education and Research (IISER)	Bhopal	www.iiserb.ac.in
Indian Institute of Science Education and Research (IISER)	Kolkata	www.iiserkol.ac.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Indian Institute of Science Education and Research (IISER)	Mohali	www.iisermohali.ac.in
Indian Institute of Science Education and Research (IISER)	Pune	www.iiserpune.ac.in
Indian Institute of Science Education and Research (IISER)	Thiruvananthapuram	www.iisertvm.ac.in
Indian Institute of Science Education and Research (IISER)	Tirupati	www.iisertirupati.ac.in

Selection Procedure

Aptitude Test: After scrutiny of application forms and meeting the eligibility criteria for various streams, all eligible students will be called for aptitude test conducted both in Hindi and English at different centers across the country.

Interview: Based on the performance in the aptitude test, short-listed students will be asked to appear for an interview which is the final stage of the selection procedure.

Fellowships

Basic Sciences	Monthly Fellowship	Annual Contingency Grant
SA/ SX/ SB – During 1 st to 3 rd Years of B.Sc./ B.S./ B.Stat./ B.Math. / Integrated M.Sc. /M.S.	₹ 5000	₹ 20000
SA/SX/SB - During M. Sc. / 4th to 5th years of Integrated M.Sc. /M.S./ M.Math./ M.Stat.	₹ 7000	₹ 28000

NATIONAL DEFENCE ACADEMY (NDA)

The National Defence Academy (NDA) is the Joint Services academy of the Indian Armed Forces, where cadets of the three services, the Army, the Navy and the Air Force train together before they go on to respective service academies for further pre-commissioning training.

Entrance Examination

To join National Defence Academy a candidate must appear in the entrance exam conducted by Union Public Service Commission, New Delhi, twice a year. The Union Public Service Commission is solely responsible for issuing guidelines for selection and the final conduct of the entrance examination. The NDA is located at Khadakwasla near Pune, Maharashtra.

Website: <http://www.upsc.gov.in/>

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Eligibility

Course	Eligibility	Duration
Indian Army	10+2 with any Stream	3 Years at NDA + 1 Year at IMA
Indian Navy	10+2 with PCM	3 Years at NDA + 1 Year at Naval Academy
Indian Air Force	10+2 with PCM	3 Years at NDA + 1 ½ Years at AFA Hyderabad

AGRICULTURE

Agriculture plays an important role in driving the state of Indian economy. The agricultural education system in the country offers programmes in 11 specific disciplines viz. agriculture, veterinary science, agricultural engineering, forestry, home science, dairy technology, fisheries, sericulture, marketing, banking and co-operation, horticulture and food science.

Specialization and Nature of Work

- **Agricultural Scientist:** They work towards developing better varieties of seed and plants (agronomy), which are high yielding and have greater resistance against pests and diseases (entomology). They may also work in other area having connection with agriculture like improvements in quality of soil, food processing and preservation, agricultural by-products, farm animals, soil and water conservation.
- **Agricultural Engineer:** They deal with agriculture machinery and power, soil and water conservation, rural electrification and other technical aspects of farming as well as in processing of farm products.
- **Agriculture Officer:** In the Department of Agriculture in every state the agricultural officer handles all the development schemes relating to agricultural crops, seeds and yields as well as fixes targets and does the monitoring.

Eligibility

After 10+2 with Physics, Chemistry and Mathematics / Biology a student can do an Under Graduate course in Agriculture.

Course	Eligibility	Duration
B.Tech in Agriculture	10+2 with PCM	4 Years
B.Sc Agriculture	10+2 with PCB or PCM	3 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

B.A Agriculture	10+2 with PCB or PCM	3 Years
B.B.A. (Agriculture)	10+2 with PCB or PCM	3 Years

List of some Colleges in India

Name	Place	Website
Anand Agricultural University	Anand, Gujarat	www.aau.in
Andhra Pradesh Horticultural University	West Godavari, Andhra Pradesh	www.aphu.edu.in
Banaras Hindu University(BHU)	Varanasi, UP	www.bhu.ac.in
College of Agriculture	Hisar, Haryana	www.hau.ernet.in
College of Agriculture	Bikaner, Rajasthan	www.agricolbikaner.org
Punjab Agricultural University	Ludhiana, Punjab	www.pau.edu
Rajasthan College of Agriculture	Udaipur, Rajasthan	www.rcaudaipur.net
University of Horticultural Sciences	Bagalkot, Karnatka	www.uhsbagalkot.edu.in
Uttaranchal University	Dehradun, Uttarakhand	www.uttaranchaluniversity.ac.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

POSSIBLE CAREER OPTIONS AND INSTITUTIONS FOR COMMERCE STREAM

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

COMMERCE STREAM

BACHELORS OF COMMERCE (B.COM HONOURS)

It is an extensive form of B.Com with specialization in a particular subject or field like Accountancy, Management or Economics.

List of some Colleges in India

Name	Place	Website
Shri Ram College of Commerce	New Delhi	www.srcc.edu
Lady Shri Ram College for Women	New Delhi	www.lsr.edu.in
Christ University	Bengaluru	www.christuniversity.in
Loyola College	Chennai	www.loyolacollege.edu
Hansraj College	Delhi	www.hansrajcollege.ac.in
Hindu College	New Delhi	www.hinducollege.ac.in
Ali Surender Modi School of Commerce	Mumbai	www.commerce.nmims.edu
St.Joseph's College of Commerce	Bengaluru	www.sjcc.edu.in
Madras Christian College	Chennai	www.mcc.edu.in
Symbiosis College of Arts and Commerce	Pune	www.symbiosiscollege.edu.in

Eligibility

After 10+2, a student can do an Under Graduate Course in B.Com (Hons.)

BACHELORS IN ECONOMICS

This is yet another option for commerce students to pursue after their higher secondary education. You will get to experience practical knowledge on various economic concepts, economic policies, analytical methods and programs etc.

List of some Colleges in India

Name	Place	Website
Ramjas College	Delhi	www.ramjascollege.edu
Lady Shri Ram College for Women	New Delhi	www.lsr.edu.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Christ University	Bengaluru	www.christuniversity.in
Loyola College	Chennai	www.loyolacollege.edu
Hansraj College	Delhi	www.hansrajcollege.ac.in
H.R. College of Commerce and Economics	Mumbai	www.hrcollege.edu
Ethiraj College for Women	Chennai	www.ethirajcollege.edu.in
Shri Guru Govind Singh College of Commerce	Delhi	www.sggsc.ac.in
St Albert's College	Kochi	www.alberts.ac.in
Lala Lajpat Rai College of Commerce and Economics	Mumbai	www.lalacollege.edu.in
Indian Institute of Technology	Kharagpur	www.iitkgp.ac.in
Presidency College	Chennai	www.presidencychennai.com
Bhim Rao Ambedkar College	Delhi	www.drbrambedkarcollege.ac.in
Delhi College of Arts and Commerce	Delhi	www.dcac.du.ac.in

Eligibility

After 10+2, a student can do a 3 Years Under Graduate course in Bachelors in Economics.

BACHELORS OF BUSINESS ADMINISTRATION (BBA)

This is a 3 years Business administration course helping to build a base in core business disciplines. You get to explore different functional areas of a business environment. So, if you are interested in getting an exposure to the various business aspects and get a hold of the concepts of business administration, this course might be your choice.

List of some Colleges in India

Name	Place	Website
Narsee Monjee Institute of Management Studies (NMIMS)	Mumbai	www.nmims.edu
Shaheed Sukhdev College of Business Studies	New Delhi	www.sscbs.du.ac.in
Christ University	Bengaluru	www.christuniversity.in
Madras Christian College	Chennai	www.mcc.edu.in
ICFAI Business School	Hyderabad	www.ibshyderabad.org
Kristu Jayanti College	Bengaluru	www.kristujayanti.edu.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

AIMS Institute	Bengaluru	www.theaims.ac.in
GIBS Business School	Bengaluru	www.gibsbschool.com
Flame University	Pune	www.flame.edu.in
SRM University Kattankulathur Campus	Kanchipuram	www.srmuniv.ac.in

Eligibility

After 10+2, a student can do a 3 Years Under Graduate course in Bachelors of Business Administration.

BACHELOR OF MANAGEMENT STUDIES (BMS)

Another undergraduate programme designed to prepare students in the field of management. This is a 3-year course that provides theoretical and practical training which helps to inculcate leadership and managerial skills. A good understanding of managerial practices and concepts can guide you to explore ample of opportunities in the business world.

List of some Colleges in India

Name	Place	Website
Indian School of Business Management and Administration (ISBM)	Chennai	www.isbm.org.in
Sir Sitaram and Lady Shantabai Patkar College of Arts and Science	Mumbai	www.patkarvardecollege.edu.in
Navnirman Arts Commerce & Science	Ratnagiri	www.navnirmancollege.in
Shri MD Shah Mahila College of Arts and Commerce	Mumbai	www.mdshahmahilacollege.ac.in
KJ Somaiya College of Arts and Commerce	Mumbai	www.somaiya.edu/kjsac
St Xaviers College	Mumbai	www.xaviers.edu
Jashbhai Maganbhai Patel College of Commerce	Mumbai	www.jmpcollege.org
Shaheed Sukhdev College of Business Studies	New Delhi	www.sscbs.du.ac.in
Advent Institute of Management Studies	Udaipur	
GN Khalsa College of Arts Science and Commerce	Mumbai	www.gnkhalsa.edu.in

Eligibility

After 10+2, a student can do a 3 Years Under Graduate course in Bachelors of Management Studies.

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

PROFESSIONAL COURSES AFTER 12TH

Chartered Accountancy (CA)

This is the best professional course for building a successful career in commerce. Becoming a Chartered Accountant opens the various doors to exciting career opportunities in diversified sectors. You can act as a Tax Consultant, an auditor, an advisor, a financial officer and so on depending upon whether you go in your own independent practice or you settle for a corporate job.

The Institute of Chartered Accountants of India (ICAI) provides this professional course. Its Head office is in New Delhi, branches are located all over India. You can visit the official website www.icaai.org to get further information.

Company Secretary (CS)

The Institute of Company Secretaries of India provides this course. A Company Secretary is basically responsible for all the regulatory compliances of the company and acts as an in-house legal expert. After doing CS you have an option to practice independently or look for a job in the corporate world.

Cost and Management Accountant (CMA)

The Institute of Cost Accountants of India or ICWAI provides this course. Certified Cost Accountants maintain cost accounting records, do cost auditing, helps in planning, controlling and costing of products.

You can do your own practice as CMA or hold managerial positions in public as well as private enterprises. The role of Cost Accountant goes beyond that of Financial Accountant by helping in production operations and processes. You can choose the cost audit area, certification and consulting areas.

Certified Financial Planner (CFP)

If you are interested in building a career in areas of Personal finance, wealth management, insurance planning, and mutual fund investing then this might be a great fit for you. So, if you want to enter the financial planning world, then you need to get this certification as a Certified Financial Planner or CFP. Financial Planning Standard Board India or FPSB India is the principal licensing body that grants CFP license.

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Chartered Financial Analyst (CFA)

CFA Program is a professional credential offered by CFA Institute to Investment and Financial professionals. After completing and passing the CFA Program one will bridge academic theory, assess current industry practice, and learn ethical and professional standards to provide a strong foundation of advanced investment analysis and real-world portfolio management skills.

Actuarial Science

“Actuary” means a person skilled in determining the present effects of future contingent events or in finance modelling and risk analysis in different areas of insurance, or calculating the value of life interests and insurance risks, or designing and pricing of policies, working out the benefits recommending rates relating to insurance business, annuities, insurance and pension rates on the basis of empirically based tables and includes a statistician engaged in such technology, taxation, employees’ benefits and such other risk management and investments and who is a fellow member of the Institute.

Entrance Examination: ACET (Actuarial Common Entrance Test) conducted by IAI (Institute of Actuaries of India)

Website: www.actuariesindia.org

Eligibility

Course	Eligibility	Duration
Chartered Accountancy (CA)	10+2 with Any Stream and Pass Common Proficiency Test (CPT)	After XII – Min. 4.5 Years After Graduation – Min. 3 Years
Company Secretary	10+2 with Any Stream	Min. 4 Years including Internship
Cost and Management Accountant	10+2 with any Stream	Min. 4 Years
Certified Financial Planner	10+2 with Any Stream and Graduation	Min. 1 Year
Chartered Financial Analyst (CFA)	10+2 with Any Stream and Graduation	Min. 2 Years
Actuarial Science	10 +2 with Any Stream (Having sound knowledge in Mathematics and Statistics)	
Five year Integrated Programme in Management(IPM)	Minimum 60% in standard X / and standard XII / HSC or equivalent examination	

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

CAREER OPTIONS AVAILABLE TO ALL STREAMS

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

MASS COMMUNICATION & JOURNALISM

Mass communication is the study of spreading information to a large audience through the various means of communication. Journalism is the activity of writing about recent developments for newspapers, magazines etc. It has enveloped reporting done through radio and television.

Following are the various job profiles offered to graduates in mass communication:

- Journalist/News reporter
- Fashion Photographer
- Media Planner
- Copywriter
- TV Correspondent
- Producer
- Radio Jockey/ RJ
- Public Relations Officer
- Content Writer

List of some Colleges in India

Name	Place	Website
Symbiosis Institute of Media & Communication	Pune	www.simc.edu
Lady Shri Ram College for Women	New Delhi	www.lsr.edu.in
Christ University (Christ College)	Bengaluru	www.christuniversity.in
Manipal Institute of Communications	Manipal	www.manipal.edu
Amity School of Communication	Noida	www.amity.edu
Delhi College of Arts & Commerce	New Delhi	dcac.du.ac.in
Indraprastha College for Women	Delhi	ipcollege.ac.in
K.C. College of Arts, Science and Commerce	Mumbai	www.kccollege.edu.in
Kamala Nehru College for Women	New Delhi	www.knc.edu.in
Madras Christian College	Chennai	www.mcc.edu.in
Guru Gobind Singh Indraprastha University	New Delhi	www.ipu.ac.in
St. Xavier's College	Kolkata	www.sxccal.edu
Bangalore City College	Bangalore	www.bangalorecitycollege.org
Indian Institute of Journalism and New Media	Bangalore	www.ijnm.org
Manav Rachna International University	Faridabad, Haryana	www.mriu.edu.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

List of some Colleges in State

Name	Place	Website
Gujarat University	Ahmedabad	www.gujaratuniversity.ac.in
Veer Narmad South Gujarat University	Surat	www.vnsgu.ac.in
The Maharaja Sayajirao University of Baroda, MSU	Vadodara	www.msubaroda.ac.in

Eligibility

After 10+2 in any stream, a student can apply for the courses listed below.

Course	Eligibility	Duration
Bachelor of mass Media and Mass Communication (BMMMC)	10+2	3 Years
Bachelor of Journalism & Mass Communication (BJMC)	10+2	3 Years
Bachelor of mass Communication (BMC)	10+2	3 Years
Bachelor of Media Studies	10+2	3 Years
Bachelor of Arts in Journalism & Mass Communication (BAJM)	10+2	3 Years
Bachelor of Journalism	10+2	3 Years
B.A. in Journalism	10+2	3 Years
Bachelor of Arts in Journalism & Communication	10+2	3 Years

ACTING

Acting is a career that revolves around telling stories through movies and films. Actors and actresses are given specific roles to play in the movie they have been hired for. Actors and actresses also work in theatres and operas. Acting involves stunts, speech, singing, dance etc.

You can work in the entertainment industry as:

- An Actor
- A Television show anchor
- Movie Director
- Movie Producer
- Model

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

List of some Colleges in India

Name	Place	Website
Andhra University	Vishkapatnam, Andhra Pradesh	www.andhrauniversity.edu.in
Chennai Film Industrial School	Chennai	www.chennaifilmschool.org
Maharaja Sayajirao University	Vadodara, Gujarat	www.msubaroda.ac.in
University of Rajasthan	Jaipur, Rajasthan	www.uniraj.ac.in

Eligibility

After 10+2 in any stream, a student can apply for the courses listed below.

Course	Eligibility	Duration
Bachelor in Performing Arts(Drama)	10+2	3-4 Years
B.A. in Performaing Arts(Drama)	10+2	3 Years

COMMERCIAL & FINE ARTS

Fine art is a type of visual art that depicts ideas or thoughts of the artist, usually portrayed with an aesthetic beauty. Although it's one of the oldest professions and has been around for thousands of years, career options in fine arts have diversified with time and new fields have emerged.

A fine arts graduate can work as:

- Painter
- Sculptor
- Illustrator
- Photographer
- Calligrapher
- Lapidartist
- Graphics(Print Making)
- Mural Art
- Textile Art
- Pottery

List of some Colleges in India

Name	Place	Website
Apeejay College of Fine Arts	Jalandhar, Punjab	www.acfa.apeejay.edu
Andhra University	Vishkapatnam, Andhra Pradesh	www.andhrauniversity.edu.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Banaras Hindu University	Varanasi, UP	www.bhu.ac.in
Banasthali University	Jaipur, Rajasthan	www.banasthali.org
Bundelkhand Univerity	Jhansi, Up	www.bujhansi.org
Jamia Millia islamia	New Delhi	www.jmi.ac.in
Maharaja Sayajirao University	Vadodara, Gujarat	www.msubaroda.ac.in
Osmania University	Hyderabad	www.osmania.ac.in
Sir J J School of Arts	Mumbai	www.sirjjschoolofart.in
University of Delhi	Delhi	www.du.ac.in
Universty of lucknow	Lucknow	www.lkouniv.ac.in
University of Pune	Pune	www.unipune.ac.in
University of Rajasthan	Jaipur	www.uniraj.ac.in
Visva-Bharati University	Santiniketan, West Bengal	www.visva-bharati.ac.in

Eligibility

After 10+2 in any stream, a student can apply for the courses listed below.

Course	Eligibility	Duration
Bachelor in Performing Arts(Drama)	10+2	3-4 Years
B.A. in Performaing Arts(Drama)	10+2	3 Years

LINGUISTIC

Linguistics is the scientific study of human language. Every human language has different aspects such as grammar, semantics and phonetics. A Linguistic professional studies each one of these aspects of a language along with its cultural origins and development.

There are certain areas a Linguist is trained on:

- Phonetics and phonology
- Morphology
- Typology
- Language contact and sociolinguistics
- Historical linguistics

You can find work as any of the following:

- Bilingual Education
- Broadcaster/News Reader
- Communication Disorders Specialist

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

- Copywriter
- Editor
- Grant / Proposal writer
- Interpreter
- Language Planner
- Lexicographer
- Professor/Instructor/Teacher
- Psycholinguist
- Public Relations
- Publishing
- Researcher
- Technical Writer
- Translator

NOTE: Almost all Central Universities in India offer research programme (M.A./M.Phil/Ph.D) in linguistics. Most of them run Master's programme in linguistics as well. The eligibility for taking up the entrance test in these Universities is Graduation in any stream.

List of some Colleges in India

Name	Place	Website
Central University of Kerala: School of Languages and Comparative Literature	Kasargode, Kerala	www.cukerala.ac.in
University of Hyderabad	Hyderabad	www.uohyd.ac.in
University of Kerala	Thiruvananthapuram	www.keralauniversity.ac.in
Jawaharlal Nehru University	New Delhi	www.jnu.ac.in/SLLCS/
University of Delhi: Department of Linguistic	New Delhi	www.du.ac.in
University of Calcutta	Kolkata	www.caluniv.ac.in
Aligarh Muslim University	Aligarh, Uttar Pradesh	www.amu.ac.in
Annamalai University	Tamil Nadu	www.annamalaiuniversity.ac.in

List of some Colleges in Abroad

University	Country	Website
Massachusetts Institute of Technology (MIT)	Unites States	www.mitadmissions.org
Harvard University	United States	www.harvard.edu
University of Cambridge	United Kingdom	www.cam.ac.uk

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

University of Oxford	United Kingdom	www.ox.ac.uk
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Eligibility

After completing graduation in any stream.

Course	Eligibility	Duration
M.Phil. Linguistic	Graduation	1 Year
M.A. Linguistic	Graduation	2 Years (4 Sem)
Advance Diplome in Applied Linguistic	Graduation	1 Year (2 Sem)
Post M.A. Diploma	Graduation	1 Year (2 Sem)
Ph.D. Linguistics	Post-Graduation	

LAW

Lawyers, also called attorneys, act as both advocates and advisors in our society. As advocates, they represent one of the parties in criminal and civil trials by presenting evidence and arguing in court to support their client. As advisors, lawyers counsel their clients about their legal rights and obligations and suggest particular courses of action in business and personal matters. Here are some areas of specialization in law:

- Administrative
- Civil Litigation
- Constitutional
- Corporate and Commercial
- Criminal
- Environmental
- Family
- Immigration
- Intellectual Property
- International
- Labor and Employment
- Real Estate
- Securities
- Tax
- Patent Lawyers
- Insurance Lawyers

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

List of some Colleges in India

Name	Place	Website
Alliance University	Bangalore	www.alliance.edu.in
Chandigarh University	Chandigarh	www.cuchd.in
Dr. Ram Manohar Lohiya National Law University (RMLNLU)	Lucknow	www.rmlnlu.ac.in
Gujarat National Law University (GNLU)	Gandhinagar	www.gnlu.ac.in
Guru Govind Singh Indraprastha University	Delhi	www.ipu.ac.in
ILS Law College	Pune	www.ilslaw.edu
IMS	Noida	www.imsnoida.com
KIIT School of law	Bhubaneshwar	www.kls.ac.in
National Law School of India University (NLSIU)	Bangalore	www.nls.ac.in
National Academy of Legal Studies and Research University of Law (NALSAR)	Hyderabad	www.nalsar.ac.in
National Law University (NLU)	Jodhpur, Rajasthan	www.nlujodhpur.ac.in
National Law University (NLU)	New Delhi	www.nludelhi.ac.in
National Law University (NLU)	Cuttack, Orissa	www.nluo.ac.in
National Law University and Judicial Academy (NLUJA)	Guwahati, Assam	www.nluassam.ac.in
National University of Advanced Legal Studies (NUALS)	Kochi, Kerala	www.nuals.ac.in
New Law College	Pune	www.bvpnglpune.org
O P Jindal Global University	Sonapat, Haryana	www.jgls.edu.in
Rajiv Gandhi National University of Law (RGNLU)	Patiala	www.rgnul.ac.in
Rajiv Gandhi School of Intellectual Property Law (RGSO IPL)	Kharagpur, West Bengal	www.iitkgp.ac.in
Shiv Nadar University	Noida	www.snu.edu.in
Symbiosis Law School	Pune	www.symmlaw.ac.in www.symmlaw.edu.in
The Faculty of Law, University of Delhi	Delhi	www.lawfaculty.du.ac.in
The Government Law College	Mumbai	www.glcmbai.com

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

The National Law Institute University (NLIU)	Bhopal, MP	www.nliu.ac.in
University of Petroleum & Energy Studies (UPES)	Dehradun	www.upes.ac.in
Uttaranchal University	Dehradun	www.uttaranchaluniversity.ac.in

Competitive Exams

Name	Website
CLAT (Common Law Admission Test)	www.clat.ac.in
AILET (All India Law Entrance Test)	www.nludelhi.ac.in
LSAT (Law School Admission Test)	www.lsac.org

Eligibility

Course	Eligibility	Duration
Bachelor of Law (L.L.B.)	Graduation	3 Years
Integrated Degree (B.A.L.L.B./ B.Com.L.L.B./ B.Sc.L.L.B./ B.B.A.L.L.B./ B.Tech.L.L.B.)	10 + 2 (Any Stream)	5 Years

DESIGNING

In the present scenario, designing is a highly developed field, calling on creative and technically trained experts who are imaginative and artistic. Designing can be mainly divided into the following fields i.e, fashion designing, interior designing, textile designing, communication designing, apparel designing, graphic designing, leather designing, footwear designing, jewellery designing and product/ industrial designing.

Competitive Exams

Name	Website
AIEED (All India Entrance Examination for Design)	www.archedu.org
CEED (Common Entrance Exam for Design)	www.ceed.iitb.ac.in/2017/
DAT (GD Goenka Design Aptitude Test)	www.gdgoenkauniversity.com/schoolofdesign/admissions/design-aptitude-test/
IIAD (Indian Institute of Art & Design Entrance Examination)	www.iiad.edu.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

IICD (Indian Institute of Crafts & Design Entrance Examination)	www.iicd.ac.in
NID (National Institute of Design) Entrance Examination	www.admissions.nid.edu

List of some Colleges in India

Name	Place	Website
COMMUNICATION DESIGN		
J.J. Institute of Applied Arts	Mumbai	www.jjiaa.org
Institute of Apparel Management	Gurgaon	www.iamindia.in
Loyola College	Chennai	www.loyolacollege.edu
National Institute of Design	Ahmedabad	www.nid.edu
Pearl Academy	Multiple Locations	www.pearlacademy.com
Rachna Sansad	Mumbai	www.rachanasansad.edu.in
Symbiosis Institute of Design	Pune	www.sid.edu.in
FASHION DESIGNING		
Apeejay Institute of Design	New Delhi	www.apeejay.edu
Arch Academy of Design	Jaipur	www.archedu.org
GD Goenka School of Fashion and Design (SOFD)	Sohna, Haryana	www.gdgoenka.com
IMS- Design and Innovation Academy	Noida	www.diaindia.co.in
Institute of Apparel Management	Gurgaon	www.iamindia.in
National Institute of Fashion Technology	New Delhi	www.nift.ac.in
Northeast Institute of Fashion Technology	Guwahati	www.neift.comn
Pearl Academy	Multiple Location	www.pearlacademy.com
Satyam Fashion Institute	Noida	www.satyamfashion.ac.in
Sophia B.K. Somani Polytechnics	Mumbai	www.sophiapolytechnic.com
The Northern India Institute of Fashion Technology	Mohali, Punjab	www.niiftindia.com
The School of Fashion Technology (SOFT)	Pune	www.soft.ac.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

FOOTWEAR DESIGNING		
Central Footwear Training Centre	Chennai	www.cftichennai.in
Central Footwear Training Institute	Agra	www.cftiagra.org.in
Footwear Design and Development Institute	Noida	www.fddiindia.com
Indian Institute of Leather Products	Chennai	www.leatherindia.org
GRAPHIC DESIGNING		
Indian Institute of Technology	Guwahati	www.iitg.ac.in
Loyola College	Chennai	www.loyolacollege.edu
MIT Institute of Design	Pune	www.mitid.edu.in
National Institute of Design	Ahmedabad	www.nid.edu
Pearl Academy	Multiple Location	www.pearlacademy.com
Raffles Design International	Mumbai	www.afflesmumbai.com
Srishti School of Design	Bangalore	www.srishti.ac.in
INDUSTRIAL DESIGNING		
DSK International Campus	Pune	www.dsksic.com
Indian Institute of Technology	Guwahati	www.iitg.ac.in
Indian Institute of Technology	New Delhi	www.iitd.ac.in
National Institute of Design	Ahmedabad	www.nid.edu
Pearl Academy	Multiple Location	www.pearlacademy.com
Srishti School of Art, Design and Technology	Bangalore	www.srishti.ac.in
Symbiosis Centre of Design	Pune	www.afdindia.com
MAEER's MIT Institute of Design	Pune	www.mitid.edu.in
INTERIOR DESIGNING		
Amity School of Design	Delhi	www.amity.edu
Arch Institute of Fashion and Design	Jaipur	www.archedu.org
IMS- Design and innovation Academy	Noida	www.diaindia.co.in
Indian Institute of Crafts and Design	Jaipur	www.iicd.ac.in
Pearl Academy	Multiple	www.pearlacademy.com

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

	Location	
Rachna Sansad School of Interior Design	Mumbai	www.rachanasansad.edu.in
School of Interior Design, Centre for Environmental Planning Technology (CEPT)	Ahmedabad	www.cept.ac.in
Sir J.J. School of Arts	Mumbai	www.sirjjschoolofarts.org
St. Francis Institute of Art and Design	Mumbai	www.sfartinstitute.com
JEWELLERY DESIGNING AND GEMOLOGY		
Arch Academy of Design	Jaipur	www.archedu.org
Art Institute of Jewellery Design	Raipur	www.academyart.edu
Delhi Gem and Jewellery Institute	New Delhi	www.gemologyindia.com
Gem and Jewellery Export Promotion Council	Jaipur	www.gjepc.org
Gemcraft Jewellery Institute	New Delhi	www.gemcraft.in
Gemology Institute of India	Mumbai	www.giionline.com
IMS- Design and Innovation Academy	Noida	www.diaindia.co.in
Indian Institute of Gemology	New Delhi	www.iigdelhi.com
Indian Institute of Gems and Jewellery	Mumbai	www.iigj.org
National Institute of Fashion Technology	New Delhi	www.nift.ac.in
National Institute of jewellery Design and Technology	New Delhi	www.dsiidc.org
Pearl Academy	Jaipur	www.pearlacademy.com
LEATHER DESIGNING		
Central Footwear Training Institute	Chennai	www.cftichennai.in
Footwear Design and Development Institute	Noida	www.fddiindia.com
Indian Institute of leather Products	Chennai	www.leatherindia.org
National Institute of Fashion Technology (NIFT)	Multiple Locations	www.nift.ac.in
TEXTILE DESIGNING		
Arch Academy of Design	Jaipur	www.archedu.org
Bannari Amman Institute of Technology	Erode, Tamil Nadu	www.bitsathy.ac.in
Gandhi Institute of Fashion and Textile	Ahmedabad	www.gift-india.com

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

IMS- Design and innovation Academy	Noida	www.diaindia.co.in
Institute of Apparel Management	Gurgaon	www.iamindia.in
National Institute of Design	Ahmedabad	www.nid.edu
National Institute of Fashion Technology	Kolkata	www.nift.ac.in
Pearl Academy	Jaipur	www.pearlacademy.com
The School of Fashion Technology (SOFT)	Pune	www.soft.ac.in

Eligibility

After 10+2 with any stream a student can do an Under Graduate Course in Designing.

Course	Eligibility	Duration
COMMUNICATION DESIGN		
Bachelor of Design in Communication Design	10+2	4 Years
B.Sc. in Visual Communication	10+2	3 Years
Graduate Diploma Programme in Design in Communication Design	10+2	4 years
B.A. (Hons.) Communication Design	10+2	4 Years
FASHION DESIGNING		
B.Design in Fashion Design	10+2	4 Years
Bachelor of Fashion Technology (B.F.Tech)	10+2 with PCM	4 Years
B.Sc. in Fashion and Apparel Designing	10+2	3 Years
Diploma in Fashion Design	10+2	2 Years
Diploma in Fashion Designing	10+2	1 Year
B.Design (Fashion) – M.Design (Fashion) (Dual Degree)	10+2	5 Years
FOOTWEAR DESIGNING		
Diploma in Footwear Design & Production	10+2	2 Years
B.Sc. (Footwear Technology)	10+2	3 Years
Diploma in Footwear Manufacture & Design	10+2	2 Years
Certificate in Footwear Manufacturing Technology	10+2	1 Year
Certificate Course in Creative Design & Shoe Making	10+2	1 Year

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

GRAPHIC DESIGNING		
Graduate Diploma Programme in Graphic Design	10+2	4½ Years
BA Animation & Graphic Design	10+2	3 years
B A (Hons.) Graphic Design	10+2	3 Years
Advanced Diploma in Graphic Design & Web Design	10+2	15 Months
Diploma in Graphic Designing	10+2	1 year
INDUSTRIAL DESIGNING		
Graduate Diploma Programme in Design (GDPD)	10+2	4 Years
Graduate Diploma Programme (B Design)	10+2	4 Years
Graduate Programme in Industrial Design	10+2	2 Years
BA (Hons.) Design for Industry	10+2	3 Years
B.Tech (Production & Industrial Engineering)	10+2 PCM+ Entrance	4 Years
B. Design Industrial Design & Communication Design	10+2	4 Years
INTERIOR DESIGNING		
Degree in Interior Design	10+2	4 Years
B Sc. Degree in Interior Designing (BID)	10+2	3 Years
Bachelor of Fine Arts (BFA) in Interior Decoration	10+2	3 Years
Diploma in interior Design	10+2	2 Years
Advanced Diploma in Interior Design (ADID)	10+2	2 Years
Certificate in Interior Design	10+2	1 Year
B.Design (Interior) – M.Design (Interior) (Dual Degree)	10+2	5 Years
JEWELLERY DESIGNING AND GEMOLOGY		
Degree in Jewellery Design	10+2	4 Years
BBA- Jewellery Design & Management	10+2	3 Years
Diploma in Jewellry Design	10+2	2 Years
Advanced Jewellery Design Technology	10+2	1 Year
Basic Jewellery Design Technology	10+2	6 Months
Certificate in Gem processing	10+2	4 Months

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

LEATHER DESIGNING		
B.Des. (Leather Design)	10+2	4 Years
B.Sc. (Leather Goods & Accessories Design)	10+2	3 Years
TEXTILE DESIGNING		
B.Tech/ BE	10+2, PCM	4 Years
BA (Hons.) Textile Design	10+2	4 Years
Diploma in Textile Designing and Textile Printing	10+2	3 Years

HOTEL MANAGEMENT

Hotel management business is a part of the ever-expanding hospitality industry. Hotel Management trains students all aspects of how a hotel is to manage, from guest relations, cooking, resourcefulness, diplomacy etc. In simple words, it refers to the various management techniques used in the hospitality.

The different areas in which students are trained:

- Hotel administration
- People management
- Accounts
- Marketing
- Housekeeping
- Front office
- Sales and Marketing
- Security Department
- Food and beverage management
- Catering and maintenance

Competitive Exams

Name	Website
NCHMCT-JEE (National Council for Hotel Management & Catering Technology)	www.nchm.nic.in
OCLD (Oberoi Centre of Learning and Development)	www.oberoigroup.com
IHM-A (Institute of Hotel Management- Aurangabad)	www.ihmaurangabad.ac.in
CET-GGSIPU (Common Entrance Test- Guru Gobind Singh Indraprastha University)	www.ipu.ac.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Name	Place	Website
GOVT. AFFILIATED INSTITUTES		
Chandigarh Institute of Hotel Management	Chandigarh	www.cihmct.com
Delhi Institute of Hotel Management and Catering Technology	New Delhi	www.dihm.net
Dr. Ambedkar Institute of hotel Management	Chandigarh	www.ihmchandigarh.org
Institute of Hotel Management	Bangalore	www.ihmbangalore.kar.nic.in
Institute of Hotel Management	Bhopal	www.ihmbpl.com
Institute of Hotel Management	Bhubaneswar	www.ihmbbs.org
Institute of Hotel Management, Catering Technology and Applied Nutrition	Chennai	www.ihmchennai.org
Institute of Hotel Management	Dehradun	www.ihmddn.com
Institute of Hotel Management	Faridabad	www.ihmfaridabad.com
Institute of Hotel Management	Gandhinagar	www.ihmahmedabad.com
Institute of Hotel Management	Gangtok, Sikkim	www.ihmgangtok.com
Institute of Hotel Management, Catering Technology and Applied Nutrition	Goa	www.ihmgoa.gov.in
Institute of Hotel Management	Gurdaspur, Punjab	www.ihmgurdaspur.org
Institute of Hotel Management	Guwahati, Assam	www.ihmctanghy.org.in
Institute of Hotel Management	Gwalior, MP	www.ihmgwalior.net
Institute of Hotel Management	Hajipur, Bihar	www.ihmhajipur.net
Institute of Hotel Management, Catering Technology and Applied Nutrition	Hyderabad, Andhra Pradesh	www.ihmhyd.org
Institute of Hotel Management, Catering Technology and Applied Nutrition	Jaipur, Rajasthan	www.ihmjaipur.com
Institute of Hotel Management	Jodhpur, Rajasthan	www.ihmjodhpur.com
Institute of Hotel Management	Kolkata	www.ihmkolkata.org
Institute of Hotel Management	Mumbai	www.ihmctan.edu
Institute of Hotel Management, Catering and Nutrition	New Delhi	www.ihmpusa.net

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

PRIVATE AFFILIATED INSTITUTES		
Amity School of Hospitality	Noida, UP	www.amity.edu
Banarasidas Chandiwalla Institute of Hotel Management and Catering Technology	New Delhi	www.bcihmct.ac.in
Birla Institute of Technology	Ranchi, Jharkhand	www.bitmesra.ac.in
Chandigarh College of Hotel Management & Catering Technology	Mohali, Punjab	www.cihmct.com
Oberoi Centre of Learning and Development	Delhi	www.oberoihotels.com
Merit Swiss Asian School of Hotel Management	Ooty	www.meritworldwide.com
Oriental School of Hotel Management	Wayanad, Kerala	www.orientalschool.com
Gateway Institute of Hotel and Tourism Management	Sonipat, Haryana	www.gateway.edu.in
UTM	Shillong	www.utm.ac.in

Eligibility

After 10+2 with any stream a student can do an Under Graduate Course in Hotel Management.

Course	Eligibility	Duration
BA/ BA (Hons.) Hotel Management	10+2	4 Years
B.Sc. Hotel Management	10+2	3 Years
BHMCT (Bachelor of Hotel Management & Catering Technology)	10+2 + Entrance	4 Years
BBA in Hotel Management	10+2	3 Years
B.Sc. in Hospitality Management and Hotel Administration	10+2	3 Years
Degree in Hotel Operations	10+2	3 Years
Diploma in Food and Beverage Service	10+2	1½ Years
Diploma in Bakery & Confectionery	10+2	1½ Years
Diploma in Front Office	10+2	1½ Years
Diploma in House Keeping	10+2	1½ Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

TRAVEL AND TOURISM

Travel and Tourism Industry includes Government Tourism Department, Immigration and Custom Services, travel agencies, airlines, tour operators, hotels etc. and many associated service industries such as airline catering, guides, interpreters, tourism promotion and sales etc. Various departments have different functional work areas they are specialize in:

- Ticketing
- Travel Agencies
- Tour Operators
- Transport Operators and Cargo Handlers

List of some Colleges in India

Name	Place	Website
Guru Gobind Singh Indraprastha University	New Delhi	www.ipu.ac.in
Indian Institute of Tourism and Travel Management	Gwalior, MP	www.iittm.ac.in
Institute of Technology and Future Management Trends	Mohali, Punjab	www.itftindia.com
RIG Institute of Hospitality and Management	New Delhi	www.riginstitute.com
University of Delhi	Delhi	www.du.ac.in
UTM	Shillong	www.utm.ac.in

Eligibility

After 10+2 with any stream a student can do an Under Graduate Course in Travel and Tourism.

Course	Eligibility	Duration
BA Tourism Studies (BTS)	10+2	3 Years
BA Tourism and Travel Management	10+2	3 Years
BBA in Travel and Tourism Management	10+2	3 Years
Bachelor of Arts (Vocational Studies) in Tourism	10+2	3 Years
B.Sc. (Airlines, Tourism and Hospitality)	10+2	3 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

PSYCHOLOGIST

Psychology is the field of science that studies the human mind and behavior. Psychology embraces all aspects of the human experience. It is the study of perceptions, emotions, motives, attitudes, aptitudes, interest and memory patterns. Various departments or areas they specialize in:

- Clinical Psychologist
- Counseling Psychologist
- Social psychologist
- Educational Psychologist
- Industrial Psychologist
- Research Psychologist
- Developmental Psychologist
- Health Psychologist
- Neuropsychologist

List of some Colleges in India

Name	Place	Website
Banaras Hindu University	Varanasi	www.bhu.ac.in
Bangalore University	Bangalore	www.bangaloreuniversity.ac.in
Guru Nanak Dev University	Amritsar, Punjab	www.gndu.ac.in
Jamia Millia islamia	New Delhi	www.jmi.ac.in
Maharaja Sayajirao University	Vadodara	www.msubaroda.ac.in
University of Delhi	Delhi	www.du.ac.in
University of Kerala	Trivandrum, Kerala	www.keralauniversity.ac.in
University of Mumbai	Mumbai	www.mu.ac.in
University of Rajasthan	Jaipur	www.uniraj.ac.in
Vidyasagar University	Midnapore, West Bengal	www.vidyasagar.ac.in
University of Calcutta	Kolkata	www.caluniv.ac.in

Eligibility

After 10+2 with any stream a student can do an Under Graduate Course in Psychology.

Course	Eligibility	Duration
B.Tech(Psychology)	10+2	4 Years

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

B.A./B.A. Honors in Applied Psychology	10+2	3 Years
B.A./B.A. Honors in Psychology	10+2	3 Years
B.Sc. in Psychology	10+2	3 Years

SPORTS

Sport and fitness is a rapidly expanding field, offering many opportunities for a wide range of careers, from playing or coaching in your chosen sport to managing sports centers or health clubs.

Depending on the field a person wants to specialize in, the nature of work and the employment opportunities in that field differ.

- Sports persons
- Physical Education Teacher
- Assistant Professor
- Physical Education Trainer
- Fitness Instructor
- Health Educator
- Physical Therapist
- Sports Medicine Specialist
- Trainer (Gym, Aerobics, Zumba, Yoga)
- Sports Nutritionist
- Sports Equipment Manufacturer(Nike, Adidas)
- District Sports Officer
- Regional Sports Officer
- Additional Sports Director (Sai, Sag, Etc.)
- Sports Director/Officer (Educational Institution)
- Coaches
- Umpire/ Referee
- Sports Journalist
- Sports Photography
- Book Writing
- Sports Broadcasting

List of some Colleges in India

Name	Place	Website
Indira Gandhi Institute of Physical Education and Sports Sciences	Delhi	www.igipess.du.ac.in

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Bombay Physical Culture Association's College of Physical Education	Mumbai	www.bpcacpemumbai.org
Chandrashekhar Agashe College of Physical Education	Pune	www.agashecollege.org
Netaji Subhas National Institute of Sports	Patiala	www.nsnis.org
Amity University	Noida	www.amity.edu
College of Physical Education	Pune	www.copepune.bharativedyapeeth.edu
Vinayaka Mission University	Salem, Tamil Nadu	www.vinayakamission.com
Lakshmibai National Institute of Physical Education	Gwalior	www.lnipe.gov.in
Government College of Physical Education	Kozhikode, Kerala	www.gcpekerala.org
City Group of Colleges	Lucknow	www.cgclko.com
YMCA College of Physical Education	Chennai	www.ymcacollege.ac.in
Department of Physiology, University of Calcutta	Kolkata	www.caluniv.ac.in/academic/physiology.htm
Jiwaji University	Gwalior	www.jiwaji.edu
EMDI Institute of Media and Communication	Thane, Mumbai	www.ironwoodsports.com
Shri Vishwanath Post Graduate College	Sultanpur, UP	www.svssk.in
University Institute of Physical Education and Sports	Chandigarh	www.cuchd.in/teachers-training-and-research / bachelor-of-physical-education.php
Punjab University	Punjab	www.physicaleducation.puchd.ac.in

List of some Colleges in State

Name	Place	Website
Gujarat Vidyapith	Ahmedabad	www.gujaratvidyapith.org
Arya Kanya Shikshan Mahavidyalaya	Itola, Vadodara	www.akmvshahabad.com
Gujarat University	Ahmedabad	www.gujaratuniversity.ac.in
Sheth CN Vyavam Vidya Bhawan	Ambawadi	www.cnvidyavihar.edu.in /en/our-institutions-2/colleges/physical-education-college/

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.

Eligibility

After 10+2, a student can do an Under Graduate course in Sports.

Course	Eligibility	Duration
Diploma Course in Sports Coaching	10+2	2 Years
Bachelor of Science in Physical Education, Health Education & Sports- B.Sc. (PE, HE&S)	10+2	3 Years
Certificate Course in Physical Education (C.P.Ed)	10+2	Short Term Course (1 Month)

LIBERAL ARTS

Liberal arts education can refer to academic subjects such as literature, philosophy, mathematics and social and physical sciences, or it can also refer to overall studies in a liberal arts degree program.

List of some Colleges in India

Name	Place	Website
Flame University	Pune	www.flame.edu.in
Symbiosis School of Liberal Arts	Pune	www.ssla.edu.in
Ashoka University	Sonipat, Haryana	www.ashoka.edu.in

List of some Colleges Abroad

Name	Place	Website
Lingnan University	Hong Kong	www.ln.edu.hk
University of Liberal Arts Bangladesh	Bangladesh	www.ulab.edu.bd
International Christian University	Japan	www.icu.ac.jp
Saint Leo University	Florida	www.saintleo.edu
Pennsylvania State University	Pennsylvania	www.psu.edu
Florida Institute of Technology	Florida	www.fit.edu

Eligibility

After 10+2 in any Stream, a student can do an Under Graduate course in Liberal Arts.

Note: Please refer to the official website of the institution for the authenticity and latest updates of the courses mentioned.