



Professional Education in India After 12th Standard

Professional Area	Min Qualification	Entrance Exam	Institute	Degree(Pass Out)	Career Profession	Web site
Engineering (Mech, Elect, Civil, Electronics, Computer science etc.)	10+2, Physics , Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance	Indian Institute of Technology	B. Tech	Engineer in specific area, Govt/Private industry	www.jeeadv.iitd.ac.in (Check for updated website on google)
Engineering (Mech, Elect, Civil, Electronics, Computer science etc.)	10+2, Physics , Chemistry, Mathematics	Joint Entrance Exam (JEE)-Main	National Institute of Technology	B.Tech / B.E	Engineer in specific area, Govt/Private industry	www.jeemain.nic.in
Engineering (Mech, Elect, Civil, Electronics, Computer science etc.)	10+2, Physics , Chemistry, Mathematics	Joint Entrance Exam (JEE)-Main or State –Common Entrance Test (CET)	State Engineering Colleges (Govt /Private colleges)	B.Tech / B.E	Engineer in specific area, Govt/Private industry	www.jeemain.nic.in (Check state specific entrance test website on Google)
Information Technology	10+2, Physics , Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance	Indian Institute of Information Technology Hyderabad/Bangalore	B.Tech (IT)	Software/IT professional	www.iiit.ac.in
Mining	10+2, Physics , Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance	Indian School of Mines, Dhanbad	B.Tech (Mining) B.Tech (Petro E)	Mining Engineer, Petroleum Engineer, Mines , Petroleum Companies	www.ismdhanbad.ac.in
Chemical Engineering /Technology	10+2, Physics , Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance All India Engineering Entrance Examination (AIEEE)/MS-CET	Laxminarayan Institute of Technology (LIT) Nagpur, Mumbai University Institute of Chemical Technology.	B.Tech (Chemical)	Chemical Industries, Process Plants, Oil & Gas Refineries, Research Institutions etc.	www.jeemain.nic.in
Petroleum Engineering	10+2, Physics , Chemistry,	IIT –Joint Entrance Exam (JEE) Advance	Rajiv Gandhi Institute of Petroleum Technology		Oil Companies, Research institutions	www.rgipt.ac.in



Professional Education in India After 12th Standard

Professional Area	Min Qualification	Entrance Exam	Institute	Degree(Pass Out)	Career Profession	Web site
	Mathematics					
Fire Engineering	10+2, Physics , Chemistry, Mathematics	All India Entrance Examination	National Fire School, Nagpur	Bachelor of Fire Engineering	Fire Engineer - Multinational Companies, Public Sector, Government companies	www.nsfcnagapur.nic.in
Architecture	10+2, Physics , Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance	Indian Institute of Technology	B. Arch (5 Years)	Construction, town planning, Consultant	www.jeeadv.iitd.ac.in
Architecture	10+2, Physics , Chemistry, Mathematics	NATA - Entrance Examination	School of Planning & Architecture, New Delhi	B. Arch (5 Years)	Construction, town planning, Consultant	www.nata.in
Interior Design	10+2, Physics , Chemistry, Mathematics	CEPT Entrance Examination	Center for Environmental and Planning Technology, Ahmadabad.	Bachelor Degree in Interior Design(5 Years)	Interior Designer in Multinational companies, Own Business.	www.cept.ac.in
Merchant Navy	10+2, Physics , Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE)	TS Chankya, Mumbai Marine Engineering and Research Institute ,Kolkotta	B.Sc. (Nautical Sciences)	Shipping Industry	www.dgshipping.gov.in
Fashion Design	10+2 any stream	National Institute of Fashion Technology – Entrance test	National Institute of Fashion Technology	Bachelor of Design (3years) Bachelor Of Fashion Technology (3years)	Fashion industry, Textiles, Garments, consultancy	www.nift.ac.in
Products design	10+2 Science	NID Institute Test	National Institute of Design	Graduate Diploma Programme in Design (GDPD) (4-years)	Industry as a product designer, Graphics designer, Film, Advertising etc.	www.nid.edu
Products design	10+2 Science	UCEED	Indian Institute of	Bachelor of Design	Industry as a product	www.uceed.in



Professional Education in India After 12th Standard

Professional Area	Min Qualification	Entrance Exam	Institute	Degree(Pass Out)	Career Profession	Web site
			Technology Mumbai, Guwahati, Jabalpur	(4 years)	designer,	
Accountancy	10+2 Commerce	Foundation, Intermediate and professional Tests	Institute of Chartered Accountants of India(ICAI)	Certified Chartered Accountant (3+years)	Industry, Audit agencies, consultancies etc.	www.icai.org
Law	10+2 any stream	Common Law Admission Test- CLAT	National Law School of India University	BA LL.B(5years)	Legal advisor in industry, Consultancies, Courts etc.	www.nls.ac.in
Dairy	10+2 Physics, Chemistry, Biology, Mathematics	NDRI- Entrance test	National Dairy Research Institute, Karnal	B.Tech (Dairy Tech) (4 Years)	Dairy industry, Govt/ private organizations, Research institutes etc.	www.icar.org
Hotel Management	10+2 Any stream	Joint Entrance Examination (JEE) for BSC H&HA	Institutes under National Council for Hotel Management	BSc Hospitality & Hotel Administration	Hotels, Travel & Tourism industry	www.nchmct.org
Defense Forces	10+2, Physics , Chemistry, Mathematics	National Defense Academy Entrance test	National Defense Academy, Pune	Bsc (3years)	Officers in Army, Navy, Air force	www.nda.ac.in
Statistic	10+2 Mathematics	Indian Institute of Statistic – Entrance Test	Indian Institute of Statistic, Kolkotta/Banglore	B. Stat (3 years) B. Math (3years)	Govt dept., Consultancies, Research institute etc.	www.isical.ac.in
Mathematics	10+2 Mathematics	Chennai Mathematics Institute – Entrance Test	Chennai Mathematics Institute	B. Math (3years)	Research Institutes, Education.	www.cmi.ac.in
Medicine	10+2 Physics, Chemistry, Biology	National Eligibility cum Entrance test/Sate level PMT	Medical collages in India / State	MBBS/BHMS/BAMS (5+ years)	Doctor (Allopathy, Homeopathy, Ayurvedic)	www.cbseneet.nic.in



Professional Education in India After 12th Standard

Professional Area	Min Qualification	Entrance Exam	Institute	Degree(Pass Out)	Career Profession	Web site
Dentistry	10+2 Physics, Chemistry, Biology	National Eligibility cum Entrance test/Sate level PMT	Medical collages in India / State	BDS (4+1 year)	Dentist	www.cbseneet.nic.in
Pharmacy	10+2 Physics, Chemistry, Biology	National Eligibility cum Entrance test/Sate level PMT	Pharmacy colleges authorized by Govt of India/ state	B.Pharm (4years)	Phrama Industry, Own Business.	www.cbseneet.nic.in
Medicine	10+2 Physics, Chemistry, Biology	National Eligibility cum Entrance test/Sate level PMT	All India Institute of Medical Sciences	MBBS (5+Years)	Doctor	www.cbseneet.nic.in
Animal Husbandry	10+2 Physics, Chemistry, Biology	AICEE (All India Common Entrance Examination)	Veterinary Colleges Under Veterinary Council of India	BVs &AH (5+ years)	Govt Research Institute/organizations , food industry etc.	www.vci.nic.in
Indian Railways	10+2 Physics, Chemistry, Mathematics	UPSC- Special Class Railway Apprentice	Indian Railways Institute	BSc	Officers in Railways	www.upsc.gov.in
General Science	10+2 Physics, Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance	Indian Institute of Sciences, Bangalore	BSc (Physics, Chemistry, Materials, Enviro Science, Maths, Biology)	Join multinational renowned Research corporations/ opportunity for higher education in reputed institution/ lead to Job in specialization area	www.iisc.ac.in
General Science	10+2 Physics, Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance or Aggregate marks of XII Science Or Kishore Vaigyanik Protsahan Yojana	Indian Institutes of Science Education and Research Berhampur, Bhopal, Kolkata, Mohali, Pune, Thiruvananthapuram, Tirupati	BS-MS Integrated Programme (5 years)	Join multinational renowned Research corporations/ opportunity for higher education in reputed institution/ lead to Job in specialization area	https://www.iiseradmission.in/



Professional Education in India After 12th Standard

Professional Area	Min Qualification	Entrance Exam	Institute	Degree(Pass Out)	Career Profession	Web site
		(KVPY)				
Space Science & Technology	10+2 Physics, Chemistry, Mathematics	IIT –Joint Entrance Exam (JEE) Advance	Indian Institute of Space Science & Technology, Thiruananthapuram. (Assistance is provided to cover cost of education, lodging, Boarding & healthcare)	B.Tech (Aerospace Engineering, Avionics, Physical Sciences)	Scientist /Engineer in Indian Space research organization.	www.iist.ac.in
Aircraft Pilot	10+2 Physics, Chemistry, Mathematics	DGCA Selection Test	Director General of Civil Aviation	Aircraft Pilot License	Airline Industry	www.dgca.org
Art (Fine Art)	10+2 Any stream	J.J.School of Art selection test	J.J.School of Art,Mumbai	Bachelor of Fine Arts	Artist, Education, Own business	www.jjiaa.org
Art (Performing Art)	10+2 Any stream	Institute selection test	Visva bharati University, kolkotta.	Bachelor of Art	Artist, Education, Own Business	www.visva-bharati.ac.in
Art (Graphics Design)	10+2 Any stream	NID Institute Test	National Institute of Design	Graduate Diploma Programme in Design (GDPD) (4-years)	Graphics Designer, Advertising, Publishing Houses,Own Business	www.nid.edu
Journalism	10+2 Any stream	Institute Test	Lady Shriram College Delhi, Symboisis Pune,Ruia College,Mumbai	Bachelor in Media/Mass Communication	Television, News paper, Govt organizations etc.	Check in google
Social work	10+2 Any stream	Tata Institute of Social Sciences test	Tata Institute of Social Sciences	BA Hons Social work	NGOs, Govt Organisations.	www.tiss.edu
Languages	10+2 Any Stream	JNU Entrance	JNU Jawaharlal Nehru University, New Delhi	BA (Hons)Foreign Languages	Literature, Art ,Foreign ministries as a translator	www.Jnu.ac.in
Economics	10+2 Any Stream	% of Marks in 12 th Standard	Delhi University colleges/ Kolkotta Univeristy	BA (Hons)	Higher Education in Economics	www.econdse.org