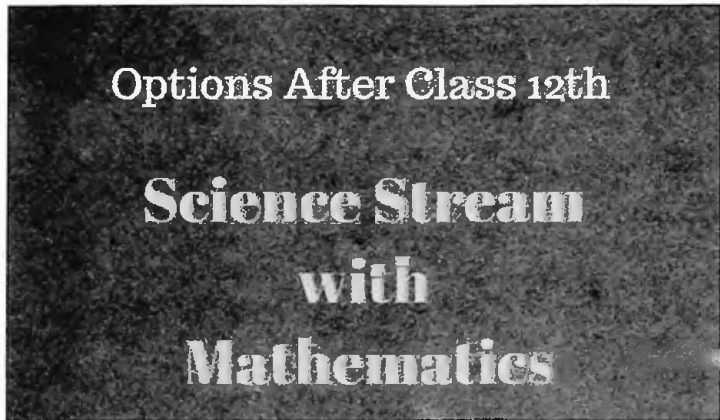


COURSES & CAREER OPTIONS AFTER CLASS 12TH IN SCIENCE STREAM WITH MATHEMATICS

Ruchi

Science with PCM (Physics, Chemistry and Mathematics) is the one of the most preferred courses after class 10th. After two years of rigorous studies of science subjects with Mathematics in +2, the biggest question that arises in a student's mind is what career option to choose now. A right career option becomes a matter of concern not only for the students but their parents also. Engineering is generally the most common option that comes to most of the students. However, there are a range of career opportunities which can be pursued in addition to engineering. Choosing a right option is not an easy task and it depends upon several factors like your aptitude, interest and the career prospects it has. Do you have precise thinking and skill of logical reasoning? Do you have passion of solving mathematical problems? If the answers of above questions are "yes" then this article will help you discover major career options available to you as a student of Science stream with Mathematics after



class 12th. Some of the top career options are :-

- B.Tech/BE
- BSc (Honours)
- BSc in Electronics
- BSc in Computer Science
- BSc in Statistics
- Bachelor of Fashion Technology
- Bachelor of Design
- BCA
- B.Arch

1. B.Tech/B.E. - Engineering is one of the most sought after courses in our country. There are several branches of engineering which guarantee bright career to students. Some of the most

popular branches are as follows:

- B.Tech**
- B.Tech in Automobile Engineering
- B.Tech in Aerospace Technology
- B.Tech in Crvil Engineering
- B.Tech in Chemical Engineering
- B.Tech in Computer Science
- B.Tech in Electrical Engineering
- B.Tech in Electronics Engineering
- B.Tech in Information Technology
- B.Tech in Industrial Production
- B.Tech in Instrumental Engineering
- B. Tech in Mechanical Engineering

- B.Tech in Mining Engineering
 - B.Tech in Metallurgical Engineering
 - B.Tech in Manufacturing Engineering
 - B.Tech in Ocean Engineering
 - B.Tech in Production Engineering
 - B. Tech in Power Engineering
 - B.Tech in Telecommunication
2. In India there are many Universities and Colleges that offer B Tech / B E courses. Top among them are IITs or Indian Institute of Technology which have been set up across the country to impart the best courses in engineering. At present there are 16 IITs. They are:
- Indian Institute of Technology, Delhi
 - Indian Institute of Technology, Bombay
 - Indian Institute of Technology, Benaras Hindu University, Benaras
 - Indian Institute of Technology, Kanpur
 - Indian Institute of Technology, Kharagpur
 - Indian Institute of Technology, Roorkee
 - Indian Institute of Technology, Ropar

- Indian Institute of Technology, Indore
 - Indian Institute of Technology, Hyderabad
 - Indian Institute of Technology, Patna
 - Indian Institute of Technology, Rajasthan
 - Indian Institute of Technology, Mandi
 - Indian Institute of Technology, Bhubaneshwar
 - Indian Institute of Technology, Gandhi Nagar
 - Indian Institute of Technology, Guwahati
 - Indian Institute of Technology, Madras
- There are 30 NIT's located in various parts of the country that offer B. Tech courses. They are:
- MNNIT Allahabad
 - NIT Arunachal Pradesh
 - NIT Agartala
 - MNNIT Bhopal
 - NIT Calicut
 - NIT Delhi
 - MNIT Jaipur
 - NIT Kurukshetra
 - NIT Jamshedpur
 - NIT Tiruchirappalli

COURSES & ...

Continued from page 1

NIT Warangal
SVNIT Surat
NIT Rourkela
NIT Surathkal
NIT Patna
VNIT Nagpur
NIT Mizoram
NIT Meghalaya
Dr. B. R. Ambedkar National
Institute of Technology,
Jalandhar
NIT Raipur
NIT Hamirpur
NIT Srinagar
NIT Nagaland
NIT Uttarakhand
NIT Sikkim
NIT Durgapur
NIT Goa
NIT Puducherry
NIT Manipur
NIT Silchar

There are IITs (Indian Institute of Information Technology and Management) in the country which specialise in software and IT. They are:

Atal Bihari Vajpayee Indian
Institute of Information
Technology and Management,
Gwalior.
Indian Institute of Information
Technology, Allahabad
Indian Institute of Information
Technology, Design and
Manufacturing,
Kancheepuram, Tamil Nadu
Pandit Dwarka Prasad Mishra
Indian Institute of Information
Technology, Design and
Manufacturing, Jabalpur,
Madhya Pradesh.
Indian Institute of Information
Technology, Guwahati, Assam
Indian Institute of Information
Technology, Kota, Rajasthan
Indian Institute of Information
Technology, Chittoor, Andhra
Pradesh
Indian Institute of Information
Technology, Vadodara, Gujarat

Indian Institute of Information
Technology, Una, Himachal
Pradesh
Indian Institute of Information
Technology, Kalyani, West
Bengal
Indian Institute of Information
Technology, Sonapat, Haryana
Indian Institute of Information
Technology, Tiruchirapalli
Indian Institute of Information
Technology, Lucknow
Indian Institute of Information
Technology, Imphal
Indian Institute of Information
Technology, Dharwad
Indian Institute of Information
Technology, Kottayam
Indian Institute of Information
Technology, Kurnool
Rajiv Gandhi Institute of
Information Technology, Amethi

Admission Process - The admission to the undergraduate programmes at the IITs and ISMU (Indian School of Mines, Dhanbad), NITs, IIITs and other colleges and institutes are based on a two tier tests consisting of JEE Main and JEE Advanced. Earlier, in place of JEE Main and JEE Advanced there were AIEEE and IIT JEE.

JEE Main - The JEE Main will be conducted online as well as offline. The merit list for admission to NITs, IIITs and other institutes will be prepared by giving 40 percent weightage to Class 12th or equivalent exam marks and 60 percent to the performance in JEE Main examination.

JEE Advanced - The second stage is called the JEE Advanced in which top 2 lakh rankers of JEE Main will be eligible to appear in this test. Admissions to IITs will be based only on category wise All India Rank in JEE Advanced. The successful students must also be in the top 20 percentile of their 12th Board Exams in applicable categories.

Besides the Joint Entrance

Exams, different states also conduct entrance exams for the state engineering colleges. Several reputed engineering colleges like VIT conduct their own entrance exam for admission to B.Tech courses.

2. BSc (Honours) - BSc (Hons) in Physics, Chemistry or Mathematics will help you in making a career in academics and research. Doing a master degree after graduation will take you to the world of academics and research where you can work as a junior research fellow in any research institute or you can pursue a career as a lecturer in a university. Jobs are also available in chemical industry, pharmaceutical industry, or in government organizations like ONGC.

3. BSc (Electronics) - Electronics is a branch of science that deals with the electrical circuits that involve active electrical components. A degree course in Electronics enables students with skills which are required to design electrical, electronic, computer, digital system design, automation and communication systems. There are many colleges and institutes that offer undergraduate course in Electronics. As Electronic applications are widely in use and electronic equipments have become a basic necessity in today's world, there are better job opportunities in this field. Jobs after B.Sc Electronics are available both in public as well as private sector. Government PSUs like Bharat Electronics & Communication Limited, Bharat Heavy Electricals Limited (BHEL), Steel Authority of India Limited (SAIL), National Thermal Power Corporation (NTPC), Bharat Sanchar Nigam Limited (BSNL) provide good career opportunities to graduates in Electronics.

4. BSc (Computer Science) - If you are an innovative thinker

who is passionate about computer then BSc in Computer Science is a perfect choice for you. Many universities/institutes/college offer the undergraduate course that prepares you to become a high-impact professional who takes part in building the digital future. There are plenty of job opportunities in Software Development companies, system maintenance centres, manufacturing companies, government organisation where you can work as Software Engineer, Developer, Programmer, Programmer Analyst and DTP Operator. Option of higher studies like M.Sc (Computer Science) is also available that will boost your career prospect.

5. BSc (Statistics) - The three year undergraduate course in Statistics is best suited for those students who have good reasoning ability and mathematical aptitude with a curious and disciplined mind. You should have good problem solving, decision making and verbal skill to opt for this course. There are many colleges and institutes in the country that offer BSc in Statistics that requires mathematics as a core subject in +2. There are jobs of Statistics Manager, Analyst, Statistics Consultant, Credit Risk Strategist, Market Research Analyst, Researcher, etc. in private and public sectors.

6. Bachelor of Fashion Technology - The glamorous world of fashion is for those who have creative aptitude and imaginative ability. Fashion technology deals with a vast field of studies in colour mixing, design, design management, fabric design, fashion merchandise, fashion accessory design, printing, textile science, etc. A bachelor degree in Fashion Technology is a gateway to a glittering career offering you lucrative jobs. There are numerous institutes across

the country that offer undergraduate course in Fashion Technology. National Institute of Fashion Technology (NIFT) is the premier institute in this field. It conducts an entrance exam for the admission to various courses related to fashion. There are excellent job opportunities in fashion industries and in garment, textile, leather industry.

7. Bachelor of Design - The vast field of Design is for those of you who have interest in drawing things that reflect your thoughts and ideas. It is a creative field offering jobs in fashion related industries like garments, leathers, textiles etc. An undergraduate course in Fashion and Interior Design course enables you to create original designs in garments, footwear, jewellery etc. It deals with the latest market trends in these industries. You will be offered jobs such as Costume Designer, Graphic Designer, Fashion Consultant, Technical Designer, Illustrator, etc in garment manufacturing units and garment store chains, jewellery houses, leather companies, textile mills, etc.

8. BCA - If you have a keen interest in Computers and want to make your career in the field of computer applications then the right choice for you is BCA or Bachelor in Computer Applications. It is a three year degree course that focus mainly on programming languages. You need to have Mathematics and English as core subjects in class 12th to opt for this course. There are entrance tests conducted by several colleges for admission to BCA. After BCA, you can further your career by pursuing MCA that will make you at par with B.Tech degree holders.

9. B.Arch - Architecture deals with the activity of designing and constructing buildings. The three year undergraduate course in Architecture or B.Arch requires Mathematics as one of the core subjects at +2 level. There are several colleges/institutes that offer B.Arch. There is a Council of Architecture that conducts National Aptitude Test in Architecture and candidates seeking admission to the course should take this test. With real estate sector making the core of infrastructure and economy, B.Arch offers you jobs of Architect, Architecture Draftsman, Consultant, Interior Designer, Data Analyst, Architectural Assistant, etc.

Besides these major undergraduate courses there are options of government jobs through Staff Selection Commission (SSC). The Army, Navy and Air Force also offer a range of careers to aspirants who are +2 pass. For students who are not in a position to pursue a degree course, there are several diploma courses in this stream which offer you good jobs and provide you an option of higher studies to be par with engineering students.

(The author is a career counsellor and life skills trainer. Email: ruchiupadhyay.career-counsellor@gmail.com)

Advt. No. NSIC/HR/E-1, 4/AO, DM, DGM/17/003



THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Government of India Enterprise)
Corporate Identification No. U74140DL1955GOI002481

**Inviting applications for Deputy General Manager,
Deputy Manager and Accounts Officer**

The National Small Industries Corporation Ltd. (the premier Mini-Ratna Government of India Enterprise under Ministry of Micro, Small and Medium Enterprises) invites applications for the following posts:

POST	FUNCTIONAL AREAS	VACANCIES	UPPER AGE LIMIT
Deputy General Manager Rs. 29100 - 54500/- (IDA)	Business Development	07 (01-SC, 01-ST, 03-OBC, 02-UR)	45 years (Age relaxation as per Govt. Rules)
	Technology	04	
	Finance & Accounts	(01-SC, 01-OBC, 02-UR)	
Deputy Manager Rs. 16400 - 40500/- (IDA)	Business Development	22 (02-SC, 02-ST, 04-OBC, 14-UR)	35 years (Age relaxation as per Govt. Rules)
	Technology	06	
	Finance & Accounts	(01-OBC, 05-UR)	
Accounts Officer Rs. 12000-24000/- (IDA)		17 (03-ST, 01-OBC, 13-UR)	30 years (Age relaxation as per Govt. Rules)

IMPORTANT NOTICE FOR THE APPLICANTS APPLYING FOR THE POST OF DEPUTY MANAGER: The current vacancies of Deputy Manager are in addition to the 31 vacancies for the post of Deputy Manager as published in our Advertisement No. NSIC/HR/E-1,3/DM/CM/16/005 dated 26.11.2016. The applicants are advised to go through the detailed advertisement given in the Career section of NSIC website www.nsic.co.in before filling in the Online Application Form.

Please visit Career link of www.nsic.co.in for detailed information about the posts and application process. The last date of receiving the Application Form at NSIC is 21.07.2017 till 6.00 p.m. NSIC strives to have a workforce, which reflects gender balance and women candidates are encouraged to apply.

14/3/Central Government/Recruitment/Other/25-35/Other/Delhi

S.E.S. BABA NEBHRAJ SR. SEC. SCHOOL

Aided & Recognised School ID-1925191
Lajpat Nagar-I, ND-24, Ph. 011-2981-6006
(Linguistic Minority Managed School)
email:- sesbabanebhraj@yahoo.co.in

Applications are invited for the following permanent posts in above referred school as per details given as under:-

S. No.	Name of the Post	No. of Vacant Post	Category
1)	PGT (Sindhi)	01	Reserved for PH Visually impaired
2)	PGT Commerce	01	UR
3)	PGT (Physical Education)	01	UR
4)	TGT (Sindhi)	01	UR
5)	TGT (Social Science)	02	UR
6)	TGT (Drawing)	01	UR
7)	TGT (English)	02	UR
8)	PET	02	UR
9)	Sp. Edu. Tr.	01	UR
10)	Assistant Teacher	02	UR
11)	L.D.C	01	Reserved for (PH Ortho)

Age limit for P.G.T. - below 36 yrs. (21 to 36), for T.G.T. - below 30 yrs. (21 to 30), Assistant Teacher - below 30 yrs. (21 to 30), L.D.C. - below 27 yrs. (18 to 27) (Age Relaxation as per Orders issued by Department of Education time to time.)

Recruitment Rules, Pay and Qualification as per the norms of Directorate of Education Govt. of Delhi NCT as mentioned of above referred posts will be in the website www.edudel.nic.in. C.T.E.T Qualified candidates will only be eligible for the post of Asstt. Tr. and T.G.Ts. Incomplete applications shall liable to be rejected. Apply to The Manager, S.E.S. Baba Nebhraj Sr. Sec. School Lajpat Nagar-I, ND-24 within 21 (Twenty One) days from the date of advertisement in person/by REGISTERED POST ONLY along with photo and Attested testimonials. The school will call only the shortlisted candidates for interview.

Note: Interested candidate may apply in prescribed performa available in the school from 9am to 1:30 pm all working days.

14/72/State Government/Recruitment/Other/Other/Other/Delhi