1. **PCM – Career options**

Science students, especially PCM students are eligible to pursue almost every option available at the undergraduate stage. You can even steer towards fields in Commerce, Humanities, Law, Media and Mass Communication, Art & Design, Journalism after completing class 12.

1. **Engineering** - There are many branches of Engineering that you can consider, e.g., Mechanical, Chemical, Computer, Electronics & Electrical, Environmental, etc. You can refer to the link below to view different branches available in Engineering - <https://www.univariety.com/app/career/index>
2. **Bachelor in Computer Application** (BCA) - If you are interested in Computers and programming, you should opt for any of these courses. You will be studying various computer programming languages in this course and concepts like Database Management, Management Information System, Internet Security & Cyber laws and Multimedia. After pursuing this course, you can opt for Masters in Computer Application (MCA) and then work in the IT sector.
3. **Pilot Training Course** - If you have a passion to fly air craft’s, you can take admission in a pilot training institute. Once you complete your course, you will be supposed to furnish a minimum number of hours of aircraft flying to get a Commercial Pilot License from Directorate General of Civil Aviation (DGCA). Once you get this license, you will be eligible to work as a pilot in companies like Jet Airways, Indigo, Spice jet, Air India etc.
4. **Indian Maritime University** (IMU) - If working on a ship or a cruise fascinates you in that case you can pursue courses like Marine Engineering, Nautical Science, Ship Building, and Repair. For that, you need to appear for the IMU Common Entrance Test (IMU CET) and gain entry in institutes affiliated with this university. Pass outs can avail numerous opportunities, both on ships and offshore.
5. **Bachelor in Architecture (B. Arch)** - The study of B. Arch also deals with ultimate planning techniques. A planner deals with the planning that is a must for certain human settlements. Planning is an ultimate thing for the success of any event and that shows the significance of a planner. The working areas include metropolitan cities as well as small congested towns, cities & also villages.
6. **Other courses** that a PCM stream students can opt for are –

• Fashion Designing

• Army (National Defence Academy)

• Hotel Management

• Tourism

• B.Sc. in any Non-Medical Field

• Indian Navy courses

• Indian Air Force courses

As mentioned earlier the science students are eligible to take up humanities and commerce related courses as well after 12th.

1. **PCB** – **Career options**

Whenever we talk about career options in the science- Biology field, the first course which always strikes in our mind is that of a Doctor. Apart from MBBS, there are many career options available for you being a medical stream student.

1. **Forensic Science**: The field of Forensic science involves investigating a crime with the help of applying scientific principles. These are degrees and diplomas after 12th for students who are interested in forensic science as career options after 12th. (B.Sc., Criminology, diplomas)
2. **Bio-Technology**: The field of Biotechnology is totally a combination of biology with modern technology, which produces a result in altering cells to manipulate them as required. It helps scientists to develop treatments for various diseases and very helpful to humans and other living forms. Biotechnology used in a variety of fields like Environmental, Agricultural, Pharmaceutical, Energy, and Chemical. (B.Sc., B.E, B.Tech)
3. **Geology**: Geology is the study of earth and everything related to its structure, processes including the study of organisms inhabited on earth. Geology also comprises the study of oceanography, hydrogeology, geostatistics. Interest and study in this field may get you the chance to work with the environmental consulting companies, nonprofit organization, natural resources consultant and companies, Universities and government agencies and Geological Survey of India. (B.Sc., Diplomas)
4. **Zoology**: It deals with the study of living and extinct animals their evolution, structure, behavior, function, and interaction with the environment. Zoology is a diverse and broad field which includes studies of mammals, insects, birds, amphibians, reptiles, fishes and a lot of other. One can become a zoologist, lecturer, ornithologist and even wildlife expert after studying in this branch of science. (B.Sc. Zoology, Fishery Microbiology, Animal biotechnology)
5. **Food Technology**: Food Technologist demand is growing day by day as the rise in demand for packaged food and its long preservation due to many modern changes in food habits. Food technology deals with the scientific understanding about foods we eat and what is the actual production process to make foods, packaged and preserved. A degree in this field can get one the job of Food Quality Controller, Research Officer, Packaging Manager and a lot of others jobs. (B.Sc. Food Preservation and Processing, Food Technology (Bio-Chemical Engineering), Food Storage, Preservation and Food Tech)
6. **Microbiology**: This field is a study of living organisms which may be a cell cluster, single cell or may be no cell at all, these are invisible to the naked eye such as fungi, bacteria, and viruses. There are many types of different microbiology. But Medical microbiology is well known as it deals with the human illness. Other Microbiology includes food microbiology, environmental microbiology, and veterinary microbiology. There are ample of career opportunities and jobs for Microbiologists in Pharmaceutical, Food, Research and development laboratories in hospital, Beverage and chemical industries, Research organizations, Agriculture and Healthcare research (B.Sc. Microbiology, Clinical Microbiology)
7. **Agriculture**: Known to be the mainstay of the Indian economy, Agriculture includes Dairying, Poultry Farming, and Horticulture apart from the production of fruits, vegetables, and food grains. In this field, there are many options available for research and teaching. (B.Sc. Agriculture, Agricultural Eco and Farm management, Agricultural Statistics, Agronomy, Agriculture Mktg and Business Management, Crop physiology, Entomology)
8. **Paramedical science** is the intersection of healthcare, public health, and public safety. So if you fall sick, seeing doctor is one part but the testing disease, handing out the medicine, taking care of you after hospital etc is done by paramedics. So this includes radiology, nursing, and pharmacy. (Occupational Therapy, Physiological Therapy, Audiology and Speech Therapy, Ophthalmic Technology, Prosthetic and Orthotic Engineering)
9. **Other B.Sc. Courses -** BSc- Human Biology; Radiography; Radio Therapy; Nuclear Medicine; Respiratory Therapy technology; Medical Technology X-Ray; Medical Secretarial Service; Operation Theatre; Medical Laboratory Technology; Allied Health Services; Speech, language & Hearing (BSLH) and Naturopathy & Yogic Science**.**
10. **MBBS/BDS**
11. **Commerce - Career options –**

The diversity that commerce stream offers is one of the main factors that still attracts many 10th standard students. If you are good with numbers, good at analyzing and dealing with large chunks of data, have a taste in finance and economics, commerce stream will suit you!

Bachelor in Commerce (B.Com) - A B.Com course in Indian colleges/universities is taught for 3 years. This course strengthens your conceptual knowledge in Accounts, Finance, Company Law and related subjects. Commerce graduates do get opportunities in the field of Economics, Statistics, Accounting, and Finance. Commerce graduates can also apply for jobs in sectors as Banking, Accounting, Costing, Financial services etc.

Bachelor in Economics (B.A. Economics) - Economics is the social science that analyzes the production, distribution, and consumption of goods and services. The curriculum generally consists of concepts like monopoly, market, production, Demand and its elasticity, Structure of Indian Economy etc. There are numerous career prospects for Economics graduates. In the government sector, one may try for Indian Economic Services, for jobs in Reserve Bank of India, PSUs and other public sector banks. The private sector also offers jobs for Economics graduates in private banks, multinational organizations, BPOs, KPOs, business journals, and newspapers.

Business Management (BBA//BMS/BBS) - Business Management teaches essential skills and relevant knowledge required to run and manage businesses and to understand the economy. During your course of study, you will be trained in subjects such as Marketing, Economics, Operations and Project Management, Human Resource, Financial Management, Organizational Behavior, Strategic Management, International Business, Management Information System, Business and Corporate Law and Accountancy.

Here below are a few professional courses that students from commerce stream can look at which require self-study and are not offered as a regular degree program.

Company Secretaryship - A Company Secretary (CS) is someone who acts as a moderator between the shareholders, government, regulatory authorities and the company and its board of directors. A CS is an expert in areas such as Corporate Governance, Corporate laws, Secretarial Compliance, Intellectual Property Rights & Capital Market. The Institute of Company Secretaries of India(ICSI) conducts the CS course in India, this body is responsible for designing the CS course, providing course material to students and awarding CS qualifications to candidates upon successful completion of all the stages.

Cost and Management Accountancy - CMA is one of the essential management services. There is no denying the fact that an organizations success or failure is dependent on the quality of information made available to the management. This is where a cost accountant’s productivity is of vital importance to the company. It is primarily a cost accountant’s job to ensure that managerial decisions are well within the cost prescriptions.

Chartered Accountants or CA’s are professionals who have a very strong expertise in accounting and auditing. They pride themselves in the core portions of accounting, audit, and taxation. Along with it, they have an in-depth knowledge of the accounting standards, legal regulations as per their profession, securities markets and corporate finance.

Actuarial Science - Actuarial Science essentially deals with the education of insurance risks and Financial Management of Insurance Companies. It involves the application of Mathematics, Statistics, and Economics in the decision-making process to a wide range of industries. The most prominent of these industries include insurance, investment, and financial planning & management companies.

These are a few alternate course options for students from commerce stream -

Law

Media, Mass Communication, and Journalism

Hospitality and Tourism

Humanities subjects like History, Geography, English, Linguistics, Sociology, Political Science, Philosophy etc.

Art and Design - Not many days ago, the courses of arts and commerce were considered non-professional courses and a very few people opted for this course. But, today the scenario has changed these courses have got a lot of respect in the society. If you have an eye for details, if you find yourself creative and most importantly if you have a strong imagination then you can be very successful in this stream. Arts and Design such as Fine Arts, Visual Communication, Animation, Interior Designing, Fashion Designing, Game Design, etc.

1. **Humanities - Career options –**

Bachelor of Arts or Humanities is a very diverse stream and offers a plethora of specializations such as Literature, Sociology, Political Science, Psychology etc. The career horizon of those who belong to this stream of study is limitless. Once you opt for this stream, you will ideally study subjects like History, Geography, English, Political Science, Psychology, Graphic Designing, Physical Education etc., depending on the subjects offered at the school.

English/Literature - A degree in English language and literature is designed to get you reading books, analyzing theories, critiquing prose and verse, and taking a more critical look at the signs and words surrounding us every day.Career opportunities after this course – Content Writer, Editor, Lecturer, proofreader, etc.

Economics - Economics is the social science that analyzes the production, distribution, and consumption of goods and services. The curriculum generally consists of concepts like monopoly, market, production, Demand, and its elasticity, Structure of the Indian Economy etc. Career opportunities – Auditor, Analyst, Stockbroker, Insurance Investment, Banking, etc.

Geography - Geography basically deals with the physical Earth. The discipline helps us to understand the details of Earth-like physical features of the Earth, population, soil, climate etc. Career opportunities – Surveyor, Agricultural officer, Cartographer, Tourism Planner, etc.

History - history is not just about memorizing the facts of historical events. It also involves analyzing the overall impact of historic occurrences, trends, and artifacts in the world. Career opportunities - Museum curators, Teaching, Archaeologist, Librarians, etc.

Political Science - Political science is a social science discipline that deals with systems of government, and the analysis of political activity and political behavior. It deals extensively with the theory and practice of politics which is commonly thought of as determining the distribution of power and resources. Career opportunities – Political advisors, International relations, Political journalism, Civil services, etc.

Psychology - Psychology is the study of the human mind and its behavior. It’s a very interesting subject as you get to learn about the functioning of the human brain and understand an individual’s personality and several other such factors. Career opportunities – Psychologist, Counselor, Therapist, clinical researchers, etc.

Sociology – Sociology is the scientific study of human society and its origins, development, organizations, and institutions. It encompasses the study of human behavior, its causes and consequence; and the social interaction of people in groups to understand how societies organize, develop, and change. Career opportunities – Social worker, Criminal justice system, Communications specialist, etc.

Linguistics - A linguist is an expert in language, be it your own or a foreign language. Linguists work for the government, educational institutions, and other organizations. Career opportunities – Translator, Lexicographer, Teacher, etc.

Mass Communication / Media - Mass communication is a wide term and relates to fields like public relations, communication, advertisement, and journalism, which can further be categorized into print, electronic, and web journalism. Mass Communication and Journalism involves dissemination of information and media effects through reporting, writing, editing, photography, broadcasting or cable casting news items through the print (magazines & newspapers) or electronic (television & web) media. Career opportunities – Journalist, newsreader, anchor, producer, scriptwriter, etc.

Hotel Management - Hotel Management is an area of study that covers a wide range of topics concerned with the operational aspects of hoteliers. Educational courses in hotel management are varied and cover topics as wide-ranging as marketing, eco-tourism, leisure, business administration, and management. Career opportunities – Hotel manager, Chef, Executive Assistant, administration, etc.

Fine Arts - Fine Arts is the study of drawing, sculpting, painting, literature, music, dance, architecture, and theatre. The term "fine art" refers to an art form practiced mainly for its aesthetic value and beauty. Bachelor of Fine Arts degree will often require an area of specialties such as acting, musical theater, ceramics, computer animation, creative writing, dance, dramatic writing, drawing, fiber, film production, visual effects, animation, graphic design, illustration, industrial design, visual arts, technical arts, interior design, metalworking, music, new media, painting, photography, printmaking, sculpture, stage management, or television production. Career opportunities - Graduates from this field get the choice of joining software companies, publishing houses, art studios, freelancing, etc.

Performing Arts - Majoring in performing arts involves a study that integrates the overlapping fields of drama, music, and dance practices. Even when students specialize in one of the three areas, they will take courses in the other performance art disciplines as well as Entertainment industry business, Talent Management, Dance, and Culture, etc. Career opportunities – Dancer, Actor, Music producer, etc.

Travel and Tourism - Travel and tourism primarily deal with taking care of tourists, hospitality management, travel management, tour management etc. This sector is growing at a rapid pace in India with the Government giving a lot of importance to the tourism sector. Career opportunities – Travel consultant, Tour guide, Sales and PR, Destination manager, etc.

Law - Law is a system of rules and guidelines which are enforced through social institutions to govern behavior, wherever possible. It shapes politics, economics, and society in numerous ways and serves as a social mediator of relations between people. Traditionally, students could specialize in either civil or criminal laws, however now Law had numerous specializations like Administrative Law, Criminal Law, Corporate Law, Cyber Law, Constitutional Law, Labour Law, Patent Law etc. Career opportunities – Law officers, Assistant Advisers, Legal adviser, etc.