

CAREER OPTIONS AFTER 12th

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MEDICINE COURSES

M.B.B.S (Bachelor of Medicine and Bachelor of surgery)

Duration of course: 5 ½ years course divided into three professional with three semesters each. A semester comprises of 18months.

Divisions: A wide range of subjects like Anatomy, Physiology, Biochemistry, Microbiology, Pathology, Pharmacology, Forensic Medicine, General Medicine, Surgery, Ophthalmology, ENT (ear, nose, throat), gynecology, Orthopedics, as well as preventive and social medicine are taught. The last 1year is devoted to compulsory rotating internship.

Job Scope/Demand in market:

B.D.S (Bachelor of Dental Science)

Duration of course: 4years followed by 1 year compulsory rotating internship.

Divisions: A wide range of courses like basis Anatomy, Physiology, Bio-chemistry, Pharmacology and Microbiology are taught. Specialization in dentistry and hands-on-practice are during the two final semesters.

Job Scope/Demand in market:

B.H.M.S (Bachelor of Homoeopathic Medicine & Surgery)

Duration of course: 5 ½ years duration & one year compulsory internship.

Job Scope/Demand in market:

Monitoring Body:- National Institute of Homoeopathy, Which is a statutory Central Government Body.

B.A.M.S (Bachelor of Ayurvedic Medicine and surgery)

Duration of course: 5 ½ years duration.

Job Scope/Demand in market:

Monitoring Body:- Central council of Indian Medicine (CCIM), which is a statutory Central Government Body.

B.U.M.S (Bachelor of Unani medicine & Surgery)al Government Body

Duration of course: 3years undergraduate degree course in Unani Medicine & Surgery.

Job Scope/Demand in market:

Monitoring Body:- Central council of Indian medicine (CCIM), which is a statutory Central Government Body.

B.V.Sc & A.H (Bachelor of Veterinary Sciences & animal Husbandry)

Duration of course: 5 ½ years course in Veterinary Science and Animal Husbandry.

Job Scope/Demand in market:

Monitoring Body:- Veterinary council of India.

B. Pharm (Bachelor of Pharmacy)

Duration of course: 4years of degree in Pharmacy

Industry: Pharmaceutical

Job scope/Demand in market: Great demand in India and abroad

Monitoring body:- Pharmacy Council of India.

B. Sc - Nursing (Bachelor of Science in Nursing)

Duration of course: 3 to 4years of degree in Nursing.

Divisions: Specialization in operation theatre, cardiac and surgery, etc

Job scope/Demand in market: Great demand in India and abroad

Monitoring body:- Nursing Council of India.

B.P.T (Bachelor of Physiotherapy)

Duration of course: 4years of degree.

Divisions: Specialization in scientific procedures used in treatment, focuses on prevention of malfunction or deformity

Job scope/Demand in market: Great demand in India and abroad

B.M.L.T (bachelor of Medical Laboratory Technology) or B. Sc - M.L.T

Duration of course: 3years of degree.

Division/course specification: Professionals involved in practical and technical work to aid correct diagnosis and in functioning of Biochemical laboratories

Job scope/Demand in market: Great demand in India and abroad

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ENGINEERING COURSES

Agricultural engineering:-

Use of scientific and technology to solve problems relating to agricultural production.

Automobile Engineering: -

The branch of engineering which deals with the study in designing, manufacture and operate automobiles

Bio-Medical engineering:-

Engineering expertise to analyze and solve problems of biological medicine.

Bio-Technology Engineering:-

Deals with improving or developing variety of seeds, livestock breeds and pesticides

Ceramic technology:-

The study of technology that fascinating world ceramics

Chemical Engineering:-

The discipline involves the application of physical science (Chemistry and Physics) with mathematics to transform raw materials or chemicals into more useful forms.

Civil Engineering:-

This is considered to be one of the oldest branches of engineering disciplines. It's all about designing structures viz. (Bridges, Roads, Dams and Buildings).

Computer Engineering: -

The branch of engineering which studies elements both from electrical engineering and computer science in order to apply it for making computers and computer based systems.

Electrical Engineering: -

The study involving electricity, electronics, electromagnetism to design, maintain products, services and information systems.

Electronics & Telecom Engineering: -

The study of designing, fabricating, producing, manufacturing complex electronic systems and telecom equipments.

Environmental Engineering:-

Study involving knowledge of engineering for the conservation of environment

Genetic engineering:-

The process of manually adding new DNA on a molecular level with the objective of adding one or more new traits that are not already found in that organism.

Industrial & Production Engineering:-

The branch of engineering which deals with the study to develop and improve the integrated system of people, knowledge, information, equipment, energy, material and as a whole industrial process.

Instrumentation Engineering:-

The study focuses on the design, configuration and automated systems.

Marine Engineering:-

The field involves development and designing of the engines related to ships and propulsion system.

Mechanical Engineering:-

Application of laws and principals of physics to analyze, design and maintain the mechanical systems.

Metallurgical Engineering: -

The study of the physical and chemical behavior of metallic elements, inter metallic compounds and their mixtures.

Mining Engineering:-

Mining engineering are the needed in mineral extraction and other fields where the earth's crust in utilizes.

Petroleum Engineering:-

Petroleum engineering work involves bringing oil or gas from the reservoir to the surface economically and safely to the reservoir and facilities.

Plastic technology: -

Today after steel, plastic is the most widely used material and hence plastic technology is an important career option.

Polymer Engineering: -

The knowledge of chemical engineering to solve various problems of polymer usage in the production.

Robotics: -

Robotics is all about designing robots and designing machines which works automatic operations.

Rubber Technology:-

Deals with latex, natural rubber or synthetic rubber to transform into more useful products

Engineering Software: -

Allows us to put technology to use by making it accessible.

Space technology:-

Research and development related to the outer space and the universe.

Telecommunication Engineering: -

It's all about opportunities fro telecom engineering due to rapid strides in the field of satellites, internet and Mobile technology.

Textile technology:-

Textile engineering uses the principles of engineering with specific knowledge of textile equipment and processes