**Photography** –

The word photography comes from two ancient Greek words: photo, for "light," and graph, for "drawing." "Drawing with light" is a way of describing photography.

Today, photography has become a powerful means of communication and a mode of visual expression that touches human life in many ways. For example, photography has become popular as a means of crystallizing memories. Most of the billions of photographs taken today are snapshots--casual records to document personal events such as vacations, birthdays, and weddings.

Photographs are used extensively by newspapers, magazines, books, and television to convey information and advertise products and services. Practical applications of photography are found in nearly every human endeavor from astronomy to medical diagnosis to industrial quality control. Photography extends human vision into the realm of objects that are invisible because they are too small or too distant, or events that occur too rapidly for the naked eye to detect.

Eligibility:

You can start right after you finish with your schooling [10+2] or you can take up photography after your graduation in any subject.

Courses –

For a class 12 pass student, courses are available at the Diploma, Certificate and bachelors stage.

Some of the top colleges and the undergraduate courses in photography are enlisted below:-

* Annapurna International School of Film + Media - Hyderabad – (Bachelor’s in Photography + Digital Imaging)
* The Indian Institute of Digital Art and Animation – Kolkata – (B.Sc. in Photography & Cinematography)
* ILEAD (Institute of Leadership, Entrepreneurship and Development) - Kolkata – (5 months course)
* St Paul's Institute of Communication Education – Mumbai – (Basic 12 weeks course & Advanced 11 sessions course).
* National Institute of Photography – Mumbai – (Foundation Course, Crash Course, Basic Photography, Advanced Photography, Diploma in Fashion Photography, Diploma in Tabletop (Product) Photography,
* Asian Academy of Film and Television (AAFT) – Noida – (3 months & 1 year Diploma Course)
* Symbiosis School of Photography - Bachelor of Arts (Visual Arts and Photography)

**Marine Sciences –**

Oceanography also called oceanology or marine science is the branch of Earth science that studies the ocean. It covers a wide range of topics, including marine organisms and ecosystem dynamics; ocean currents, waves, and geophysical fluid dynamics; plate tectonics and the geology of the sea floor; and fluxes of various chemical substances and physical properties within the ocean and across its boundaries. These diverse topics reflect multiple disciplines that oceanographers blend to further knowledge of the World Ocean and understanding of processes within it: biology, chemistry, geology, meteorology, and physics as well as geography.

Eligibility:

You have to finish with your schooling [10+2] in the science stream.

Colleges for Marine science –

* National Institute of Oceanography, Goa
* Centre for Atmospheric and Oceanic Sciences (CAOS), Indian Institute of Science (IISc)
* Department of Marine biology, microbiology and Biochemistry, Cochin university of science and technology (CUSAT), Kerala
* School of Industrial fisheries, Cochin university of science and technology (CUSAT), Kerala
* Kerala University of Fisheries and Ocean Studies (KUFOS)
* Faculty of Marine Sciences, Annamalai University, Tamil Nadu.
* Marine Planktonology and Aquaculture Division, Department of Marine Science, Bharathidasan University, Tiruchirappalli

**Robotics Engineering**

Robotics Engineering is referred to that branch of engineering which deals with the designing, construction, and application of Robots and how computers are used to operate Robots. Robot Programming is one of the most important aspects of robotics because without it robots cannot move or do particular tasks. Robots are being highly used in various sectors for mainly two reasons i.e to increase work and output rate and to ensure human safety. It uses the principles of other engineering branches like electrical engineering, computer science engineering and mechanical engineering to play with robots that may resemble humans in appearance or work.

Eligibility –

The basic eligibility for being able to apply for B.Tech in Robotics is that students should have passed class 12 examinations with science stream (Physics, Chemistry and Maths) from a recognized state or national level board of education with a minimum of 50% marks.

Colleges –

* Indian Institute of Technology, Bombay
* Indian Institute of Technology, Kharagpur
* Acharya Institute of Technology
* Ajeenkya DY Patil University, Pune
* DAV University
* PSG College of Technology, Coimbatore (Tamil Nadu)
* Akshaya College of Engineering and Technology

Hope we were able to solve your query. In case you have more questions you could always reach us.

Regards,

Prardhana

Team Univariety

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