

Meteorology



Introduction

Meteorology is referred to as the science of atmosphere, which is the blanket of air covering the earth. The word 'Meteorology' comes from the Greek word 'meteorol', which refers to something that occurs high in the sky. Meteorology is a sub-discipline of Atmospheric science that mainly focuses on various aspects of the atmosphere, especially that of the weather and climate. In this field we study about weather, climate and the forces that cause change in our environment. In simple terms it is the study of weather and weather forecasting.

Skill Set

- Analytical skills.
- Genuine interest in weather systems.
- Teamworking skills.
- Interpersonal skills.
- Written and oral communication skills.
- Problem solving skills.
- Computer literacy.
- Mathematical abilities.

Education

Career aspirants in this field must be good at mathematics and science. To begin a career as a meteorologist one must have at least a bachelor degree in meteorology or atmospheric science. Bachelor degree is of four year duration. A master degree in meteorology with relevant specialization is essential for positions such as operational meteorologists, physical meteorologists, synoptic meteorologists, environmental meteorologists and hydrometeorologists. Master level programmes are of two year duration. Candidates who are aspiring to become researchers and scientists must complete a PhD programme in Meteorology. Duration of a doctoral programme is normally over three years.

Top Colleges

- Indian Institute of Science, Bangalore
Course : B.Sc + M.Sc in Earth & Environment Science
Duration : 5 Years
Eligibility : 11th and 12th with PCM & PCB
Admission Mode : Entrance Exam (KVPY – SA , SB , SX)

- Shivaji University, Vidyanagar, Kolhapur, Maharashtra.
Course : B.Sc. in Meteorology
Duration : 3 Years
Eligibility : 12th From a recognized Board
Admission Mode : Merit Based

- Andhra University
Course : M.Sc in Meteorology
Duration : 2 Years
Eligibility : B.Sc. with Physics and Mathematics as compulsory with any other subject.
Admission Mode : AUCET

- Cochin Institute of Science and Technology, Cochin
Course : M.Sc in Meteorology
Duration : 2 Years
Eligibility : B.Sc in Physics with Mathematics as subsidiary B.Sc in Mathematics with Physics as subsidiary B.Sc in Computer Science with Physics and Mathematics as subjects studied B.Sc in Chemistry with Physics and Mathematics as subjects studied With 55% marks.
Admission Mode : Professional CAT Exam

Job Prospects

- Indian Meteorological Dept.
- Indian institute of science.
- Space application center.
- Indian air force.
- Indian space research organization.
- Defense Research & development organization.

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