

Theme paper for Atmospheric & Space Sciences

These subjects are highly specialized and therefore it cannot be introduced at Bachelor's level. A good training in Physics and Mathematics is required at Bachelor's level before taking up these subjects at Post-graduate level.

At the post-graduate level also a good background in essentials of Physics, Mathematical Methods and Computer programming is required before taking up the specialized topics of Atmospheric and Space Sciences.

The present syllabus for M.Sc. Space Sciences and M.Sc. Atmospheric Science which was designed in 2005 takes into all the above requirements. The syllabus aims to train the student for a good research career in Atmospheric and Space Sciences. The theory, lab and project courses are well balanced and at par with most of the leading Universities in the world.

Re-orientation is not required. Only some special subjects need to be added from time to time to keep with the fast changing scientific discoveries.

The M.Tech. program in Atmospheric Science which was originally conceived by the UGC is done after acquiring an M.Sc. degree in Physics/ Mathematics/ Geophysics/ Oceanography/ Atmospheric Science/ Meteorology. This syllabus is well balanced and takes care of the requirement of operational and research needs in the subject of Atmospheric Science. The M.Tech. Atmospheric Science curriculum has been in operation for 19 years since 1988 and syllabus was originally designed by the UGC. The course contents are very strong and we have been periodically updating it as per the emerging trends and requirement in the subject. . The students who have done this course have been going to operational and research areas in scientific organizations and universities in India, U.K., Germany, USA, Canada, Austria, S. Korea etc.

The M.Tech. (Atmospheric Science) syllabus underwent a major revision in 2005 and at present only a few new subjects in the newly emerging topics needs to be added.