BScHons Meteorology

Programme code

02240074

The BScHons (Meteorology) degree focuses on Dynamic meteorology, Numerical modelling: Applications, Overview of tropical and mid-latitude meteorology, Convective weather, a Research project and the following electives: Seasonal climate modelling, Numerical modelling: Basic concepts ,Cloud microphysics, Basic concepts of remote sensing, Boundary layer meteorology and Cloud dynamics.

Apart from the prescribed coursework, a research project is an integral part of the study.

For more information, please consult the Faculty webpage.

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Faculty notes

The Faculty of Natural and Agricultural Sciences is home to more than 6 500 undergraduate and postgraduate students. The Faculty presents degrees in fields ranging from the proverbial A to Z – from actuaries to zoologists, and consists of 13 departments.

All degree programmes are designed to develop problem-solving individuals who can easily adapt to changing circumstances and take the lead in their chosen fields of specialisation. The qualifications awarded are of world-class and provide access to a multitude of career opportunities for dynamic and creative people. According to the latest Times Higher Education World University Rankings the University has achieved new world rankings in Physical Sciences, a discipline which features strongly in NAS and also maintains excellent positions on the ISI Web of Science (WOS) field rankings in Plant and Animal Sciences, Agricultural Sciences, and Environment and Ecology Sciences.

In the Faculty of Natural and Agricultural Sciences, we strive to continuously improve our high impact research and significantly address the national shortage of PhD graduates that respond to global and local challenges.

Minimum duration

1 years, full-time

Admission requirements

BSc (Meteorology) degree or relevant BSc degree Physics passed at first-year level Mathematics passed at second-year level Passed the following modules (or equivalents thereof): WKD 155 Atmospheric structure and processes WKD 261 Physical meteorology GMA 220 Remote sensing WKD 263 Introduction to dynamical meteorology WKD 352 Atmospheric vorticity and divergence WKD 361 Quasi-geostrophic analysis WKD 366 Fundamentals of weather forecasting WTW 114 Calculus* WTW 124 Calculus* WTW 218 Calculus* WTW 248 Vector analysis* PHY 114 and 124 Physics   A weighted average of at least 60% in relevant final-year modules   An admission examination may be required

Note: Additional modules may be required in order to reach the desired level of competency