



*Structured Master of Science Specialising in **CLIMATE CHANGE***

Entry requirements:

- A Bachelor of Science, an honours degree, or a comparable degree at NQF level 8
- A specialisation in Agriculture, Agricultural Extension, Geography, Meteorology, Hydrology or a related discipline.

Contact details:

Dr Elmarie van der Watt
vdwatte@ufs.ac.za
+27 51 401 2713
www.ufs.ac.za/scc

T: +27 51 401 2713 | vdwatte@ufs.ac.za | www.ufs.ac.za/scc

 UFSUV |  UFSweb |  UFSweb

UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIVESITHI YA
FREISTATA





Climate change has developed into a global crisis with an increasing impact on agricultural production, hydrological cycles, economic activities, and society. Climate change and sustainability are key factors that drive the national and global development agenda. Society has a need for people who can combine knowledge of the science behind climate change – also referred to as the bolts and nuts of climate change – with an understanding of its diverse and complex impacts. The University of the Free State now offers a structured Master of Science that provides participants the opportunity to deepen their knowledge of a topic that concerns the whole world, and to develop critical thinking and research skills.



The Master of Science is hosted in the UFS Department of Soil, Crop and Climate Sciences and has contributions from a wide range of other disciplines. The two-year programme is based on distance learning, with block weeks of intensive teaching at the Bloemfontein Campus of the University of the Free State, combined with assignments and a research project that can be completed remotely.

The programme includes courses on the science behind climate change and variability, and the impact of climate change on agro-ecological systems and possibilities for mitigation and adaptation. In the second year, students can choose between a course on the broader policy and economic aspects of climate change, or a quantitative course on climate modelling and data analysis. A central component of the programme is a mini dissertation on a relevant research topic written under the supervision of academic staff.



Structure of the degree

Module	Year	Credits	Compulsory / Elective
Climate change and variability	1	20	Compulsory
Sustainability and climate change adaptation of agricultural systems	1	20	Compulsory
Research methodologies	1	8	Compulsory
Policy, educational and economic aspects of climate change	2	16	Elective
Climate modelling and quantitative analysis	2	16	Elective
Mini dissertation	1, 2	120	Compulsory

