

AGRICULTURAL SCIENCES

Faculty Natural and
Agricultural Sciences



NEW! NEW!

Agricultural Sciences:

- BSc (Agric) with Agricultural Economics and Agronomy (2FD K05 N401P)
- BSc (Agric) with Soil Sciences and Agronomy (2FD K06 N401P)

Are you interested in the agricultural sciences and getting involved in farming, agricultural businesses, agricultural services, agricultural research and academics? Then the BSc (Agric) programs may well be for you, providing you with high quality, modern training to become an agronomist, soil scientist or an agricultural economist.

Two new four-year programs were developed focusing specifically on Agronomy, Soil Sciences and Agricultural Economics.

- a. BSc. (Agric) with Soil Sciences and Agronomy
- b. B.Sc. (Agric) with Agricultural Economics and Agronomy

These programs will address the specific needs within the predominantly summer grain regions, such as scientifically advanced precision farming amongst others.

Students will be able to register from January 2019 for two new BSc (Agric) programs in the School of Agricultural Sciences, at the Potchefstroom Campus of the NWU. This follows an urgent need for teaching and research in agriculture in the region, addressing top priority food security issues.

This degree has been designed to equip students with the high-level skills required in the advanced world of farming and research. With this degree as a starting point, students will be able to pursue Masters studies in either of Agronomy, Soil Science or Agricultural economics.

Minimum admission requirements

- National Senior Certificate with university exemption
- Minimum APS-count of 22
- Mathematics and Physical Science on level 4 (50 – 59%)
- 4 years
- Potchefstroom Campus, NWU
- Candidates who are in possession of matriculation results from foreign educational systems must meet the requirements for admission to degree study as determined by the Joint Matriculation Board.

Contact Information

Program coordinator/Agronomy

Prof H van Hamburg
Tel: 018 2994376
huib.vanhamburg@nwu.ac.za

Soil Sciences

Danel van Tonder
Tel: 018 2991092
danel.vantonder@nwu.ac.za

Agricultural Economics

Dr Johnny van der Merwe
Tel: 018 2852393
johnny.vandermerwe@nwu.ac.za

Undergraduate Administration

Mrs Chantel Zaayman
Tel: 018 2994213
chantel.zaayman@nwu.ac.za

BSc in Agriculture with Soil Science and Agronomy							
First Year		Second Year		Third Year		Fourth Year	
Module Code	Cr	Module Code	Cr	Module Code	Cr	Module Code	Cr
Introduction to academic literacy	12	Understand the Natural World	12	Agronomy of Summer Crops	8	Soil microbiology and soil quality	16
Introductory Inorganic and Physical Chemistry	12	Statistics for Life Sciences	16	Vegetable Production	16	Crop Production Systems	8
Plant structure – Cytology, Morphology and Anatomy	12	Advanced Soil Science	16	Soil Genesis and Classification	16	Pest phenology and damage symptoms	16
Physics for Biology I	12	Plant Physiology	8	Farm Management and Planning	16	Projects and Seminar	32
Introduction to economics	12	Agricultural Climatology	12				
Total 1st semester	60	Total 1st semester	64	Total 1st semester	56	Total 1st semester	72
Second semester							
Module Code	Cr	Module Code	Cr	Module Code	Cr	Module Code	Cr
Academic literacy	12	Science and Society	12	Principles of Irrigation	16	Precision farming	24
Introductory Organic Chemistry	12	Introduction to Crop Production	16	Soil Physics	16	Weeds: Interactions and control	16
Mathematical Techniques	12	Agricultural Marketing	16	Agronomy of Winter Crops	8	Plant Pathology	16
Introduction to Soil Science	12	Soil degradation and rehabilitation	16	Land resource and Environmental Economics	16		
Physics for Biology II	12	Farm Record Keeping and Finance	12	Agricultural Production Economics	16		
Total 2nd semester	60	Total 2nd semester	72	Total 2nd semester	72	Total 2nd semester	56
Total for First Year	120	Total for Second Year	136	Total for Third Year	128	Total for Fourth Year	128
Total credits for curriculum							512

BSc in Agriculture with Agricultural Economics and Agronomy							
First Year		Second Year		Third Year		Fourth Year	
Module Code	Cr	Module Code	Cr	Module Code	Cr	Module Code	Cr
Introduction to academic literacy	12	Understand the Natural World	12	Agribusiness Management	16	Crop Production Systems	8
Introductory Inorganic and Physical Chemistry	12	Advanced Soil Science	16	Agronomy of Summer Crops	8	Micro-Economics	16
Plant structure – Cytology, Morphology and Anatomy	12	Agricultural Climatology	12	Vegetable Production	16	Pest phenology and damage symptoms / Econometrics	16
Physics for Biology I	12	Statistics for Life Sciences	16	Farm Management and Planning	16	Projects and Seminar	32
Introduction to economics	12	Plant Physiology	8	Soil Genesis and Classification	16		
Total 1st semester	60	Total 1st semester	64	Total 1st semester	72	Total 1st semester	72
Second semester							
Module Code	Cr	Module Code	Cr	Module Code	Cr	Module Code	Cr
Academic literacy	12	Science and Society	12	Agricultural Production Economics	16	Precision Farming	24
Introductory Organic Chemistry	12	Farm Record Keeping and Finance	12	Land resource and Environmental Economics	16	Weeds: Interactions and control	16
Mathematical techniques	12	Introduction to Crop Production	16	Agronomy of Winter Crops	8	Plant Pathology	16
Introduction to Soil Science	12	Agricultural Marketing	16	Principles of Irrigation	16		
Physics for Biology II	12	Soil degradation and rehabilitation	16				
Total 2nd semester	60	Total 2nd semester	72	Total 2nd semester	56	Total 2nd semester	56
Total for First Year	120	Total for Second Year	136	Total for Third Year	128	Total for Fourth Year	128
Total credits for curriculum							512