

BAGRSC (HONS) - BACHELOR OF AGRICULTURAL SCIENCE - CK412

Programme Requirements

Code	Title	Credits
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Year 1

Students take **60** credits as follows:

Core Modules

AG1001	Agriculture I (Introduction to Agriculture)	10
BC1001	Introduction to Biochemistry and the Biological Basis of Disease	5
BL1002	Cells, Biomolecules, Genetics and Evolution	5
BL1004	Physiology and Structure of Plants and Animals	5
CM1202	Fundamentals of Modern Chemistry for Agricultural Sciences	10
FE1019	Introduction to Food and Agricultural Economics	5
FE1030	Introduction to International Food Policy	5
FS2005	Principles of Food Science and Technology	5
MA1001	Calculus for Science Part 1	5
PY1109	Physics for Agriculture & Environmental Science	5

Year 2

Students take **60** credits as follows:

Core Modules

AG2001	Agriculture II (Sustainable Food Production)	5
BC2001	Biomolecules	5
BC2002	Principles of Metabolic Pathways	5
BL2001	Plant and Animal Genetics	5
EV1002	Introduction to Environmental Science	5
FE2013	Global Food Policy	5
FE3023	Agri-Production Economics	5
MB1001	Introduction to Food and Industrial Microbiology	5
NT2023	Animal Nutrition	5
PL1012	Fundamentals of Physiology	5
PS2002	Ecological Plant Physiology	5
ST2001	Introduction to Biostatistics	5

Year 3

Students take **60** credits as follows:

Core Modules

AG3001	Agricultural Science Work Placements	15
AG3002	Soil Science and Soil/Land Management	5
AG3003	Growth & Lactation Physiology	5
AG3004	Grass and Forage Production	5
AG3005	Farming with nature: Protecting and promoting farmland biodiversity	5
AG3006	Farm Safety and On-Farm Risk Assessment	5
FE2011	Introduction to Agri Business Management	5
FE3024	Agri-Food Co-operatives and Sustainability	5
FS3023	Milk Production and Quality for Processing	5
ST3910	Design and Analysis of Experiments for Agriculture and Animal Scientists	5

Year 4

Students take **60** credits as follows:

Core Modules

AG4001	Final Year Research Project	10
AG4002	Applied Bovine Genetics and Genomics	5
AG4003	Animal Nutrition II (including feed conservation)	5
AG4004	Grassland Management	5
AG4005	Farm Infrastructure Design and Farm Mechanisation	5
AG4006	Production Systems, Analysis and Management	5
AG4007	Bovine Health, Behaviour and Welfare	5
AG4008	Business Structures, Career Progression and HR Management on Farms	5
AG4009	Bovine Reproduction & Fertility Management	5
AG4010	Communication, Innovation and Innovation Support	5
AG4011	Applied Agri-Environmental Sustainability	5

Total Credits **240**

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.