

Bachelor of Applied Science – Extended Majors

QTAC Code for all: 703031 or 704031 (St Lucia majors) or 780169 (Gatton majors)

Program Code: 2240

Equine Science Extended Major

Academic Advisor: Dr Mark Hohenhaus, Email: m.hohenhaus@uq.edu.au

Program Requirements: • 30 days Industry Practice work experience

Important Equine Information: www.animal.uq.edu.au/docs/Equine.Info.pdf

Recommended Program for students **without** Year 12 Chemistry and/or Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
CHEM1002	2	Agricultural & Environmental Chemistry I	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1017	2	Agricultural Mathematics
AGRC2001	2	Agricultural Biochemistry	AGRC2013	2	Agricultural Microbiology and Gene Technology
ANIM1014	2	Animal Welfare, Behaviour and Handling	ANIM3040	2	Animal Nutrition
ANIM1006	2	Equine Husbandry & Equitation I		2	Elective
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM2002	2	Animal Breeding & Genetics	ANIM2039	2	Equine Stud Management
ANIM3019	2	Animal Reproduction	ANIM3006	2	Animal Health & Epidemiology
ANIM3039	2	Equine Exercise & Rehabilitation	ANIM3030	2	Equine Nutrition & Health
STAT2701	2	Biometrics I		2	Elective (from BAppSc list)

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
ANIM2006	2	Equestrian Coach Education	AGRC1016	2	Food & Fibre in the E-Landscape
ANIM2024	2	Equine Handling & Training	AGRC3006	2	Pasture Science
MGTS2961	2	Group Dynamics, Negotiation & Adult Learning	ANIM1966	2	Equine Husbandry & Equitation II
MKTG1502	2	Agriculture & Food Industry Marketing	MGTS1960	2	Business Management I

Recommended Program for students **with** Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
ANIM1014	2	Animal Welfare, Behaviour and Handling	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC2013	2	Agricultural Microbiology and Gene Technology
AGRC2001	2	Agricultural Biochemistry	ANIM2039	2	Equine Stud Management
ANIM1006	2	Equine Husbandry & Equitation I	ANIM3040	2	Animal Nutrition
STAT2701	2	Biometrics I		2	Elective (from BAppSc list)

FIFTH SEMESTER			SIXTH SEMESTER		
ANIM2002	2	Animal Breeding & Genetics	ANIM3006	2	Animal Health & Epidemiology
ANIM3019	2	Animal Reproduction	ANIM3030	2	Equine Nutrition & Health
ANIM3039	2	Equine Exercise & Rehabilitation		2	Elective
	2	Elective (from BAppSc list)		2	Elective

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
ANIM2006	2	Equine Coach Education	AGRC1016	2	Food & Fibre in the E-Landscape
ANIM2024	2	Horse Handling & Training	AGRC3006	2	Pasture Science
MGTS2961	2	Group Dynamics, Negotiation & Adult Learning	ANIM1966	2	Equine Husbandry & Equitation II
MKTG1502	2	Agriculture & Food Industry Marketing	MGTS1960	2	Business Management I

Food Science and Nutrition Extended Major (Food Science Option)

Academic Advisor: Professor Bhesh Bhandari, Email: b.bhandari@uq.edu.au

Program Requirements: • 30 days Industry Practice work experience

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	BIOL1040	2	Cells to Organisms
BIOL1020	2	Genes Cells & Evolution	CHEM1020	2	Chemistry - Energetics & Reactivity
CHEM1030	2	Chemistry - Structure & Reactions		2	Elective
FOOD2006	2	Principles of Food Preservation		2	Elective
THIRD SEMESTER			FOURTH SEMESTER		
BIOC2000	2	Biochemistry & Molecular Biology	FOOD3018	2	Food Chemistry
NUTR2002	2	Principles of Human Nutrition	MICR3861	2	Food Microbiology I
STAT2701	2	Biometrics I	NUTR2003	2	Nutrition in the Lifespan
	2	Elective		2	Elective
FIFTH SEMESTER			SIXTH SEMESTER		
FOOD3007	2	Food Structure and Sensory Science	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
FOOD3015	2	Chemical Food Analysis	FOOD3006	2	Food Science
FOOD3017	2	Food Safety and Quality Management	FOOD3011	2	Food Product Development
MICR3860	2	Food Microbiology II	NUTR3001	2	Nutrition in Health & Disease

Food Science and Nutrition Extended Major (Nutrition Science Option)

Academic Advisor: Professor Bhesh Bhandari, Email: b.bhandari@uq.edu.au

Program Requirements: • 30 days Industry Practice work experience

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	BIOL1040	2	Cells to Organisms
BIOL1020	2	Genes Cells & Evolution	CHEM1020	2	Chemistry - Energetics & Reactivity
CHEM1030	2	Chemistry - Structure & Reactions		2	Elective
FOOD2006	2	Principles of Food Preservation		2	Elective
THIRD SEMESTER			FOURTH SEMESTER		
BIOC2000	2	Biochemistry & Molecular Biology	FOOD3018	2	Food Chemistry
NUTR2002	2	Principles of Human Nutrition	MICR3861	2	Food Microbiology I
STAT2701	2	Biometrics I	NUTR2003	2	Nutrition in the Lifespan
	2	Elective (Nutrition Science Option)		2	Elective (Nutrition Science Option)

FIFTH SEMESTER			SIXTH SEMESTER		
	2	Elective (Nutrition Science Option)	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
	2	Elective (Nutrition Science Option)	FOOD3006	2	Food Science
	2	Elective	NUTR3001	2	Nutrition in Health & Disease
	2	Elective		2	Elective (Nutrition Science Option)

And #10 from:

FIRST SEMESTER			SECOND SEMESTER		
BIOL3230	2	Endocrinology & Metabolism	BIOM2012	2	Systems Physiology
HMST2730	2	Exercise Physiology	HMST1023	2	Health & Fitness Through Diet & Exercise
HPRM3000	2	Health Promotion: Perspectives and Practices	NUTR3000	2	Nutrition & Exercise
NUTR3002	2	Nutrition, Food and Society	NUTR3003	2	Nutrition Project
PUBH1102	2	Introduction to Population Health	PUBH1103	2	Health Systems & Policy
			PUBH2004	2	Understanding Health Behaviours
			PUBH2007	2	Health Research Methods

And #8 Electives

Recommended electives – #8 from the above list or from Part D of the BAppSc course list.

Integrated Resource Management Extended Major

Academic Advisor: Dr Carl Smith, Email: c.smith2@uq.edu.au
 Program Requirements • 30 days Industry Practice work experience

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	ENVM1512	2	Ecological Economics
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	ENVM2503	2	Environment and Community
BIOL1030	2	Biodiversity and Our Environment	GEOM1000	2	Geographical Information and Analysis
FRST1001	2	Tropical Systems in the Asia Pacific	GEOS1100	2	Environment and Society
THIRD SEMESTER			FOURTH SEMESTER		
ENVM2200	2	Resource Management and Environmental Planning	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
ENVM3103	2	Regulatory Frameworks for Environmental Management and Planning	ENVM2521 OR FRST3004	2	Research, Development and Extension Practice OR Asia/Pacific Tropical Forest Management and Extension Tour
STAT2701	2	Biometrics I	ENVM3518	2	Environment and Development
	2	Elective (from BAppSc course list)		2	Elective (from BAppSc course list)
FIFTH SEMESTER			SIXTH SEMESTER		
AGRC3025	2	Decision Support Systems for Natural and Agrifood Systems	AGRC3027	2	Agricultural and Resource Policy
ENVM3523	2	Natural Resource Management	SOCY2020	2	Sociology of the Environment
ENVM3526	2	Systems Thinking Systems Dynamics (for a Complex World)		2	Elective
LAND3007	2	Land Use and Management		2	Elective

Recommended Electives

#8 units to be undertaken. For convenience, electives have been clustered to guide students who might be interested in particular sectors of Integrated Resource Management. These are available on the following website:
http://www.nrsm.uq.edu.au/Programs/BappSc_IRM_ProgramsList.pdf

Parks and Wildlife Management Extended Major

Academic Advisor: Assoc Prof Marc Hockings, Email: m.hockings@uq.edu.au
 Program Requirements: • 30 days Industry Practice work experience

Recommended Program for students *without* Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1017	2	Agricultural Mathematics
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1019	2	Plant and Animal Biology
AGRC1018	2	Introductory Biology	GEOM1960	2	Introduction to Remote Sensing and GIS
ANIM1014	2	Animal Welfare, Behaviour and Handling	LAND2001	2	Land Resources and Landscape Processes
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural and Agricultural Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
ENVM2519	2	National Park Management	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
LPWM2008	2	Cultural Heritage Management	ENVM2504	2	Regulatory Frameworks in Environmental Management
STAT2701	2	Biometrics I	ENVM2512	2	Fire Management
FIFTH SEMESTER			SIXTH SEMESTER		
ENVM3519	2	Visitors in Sensitive Environments	ANIM3018	2	Wildlife Technologies
LPWM2003	2	Principles of Wildlife Management	ENVM3506	2	International & National Conservation Policy
	2	Elective (from BAppSc list)	ENVM3517	2	Contemporary Protected Area Management
	2	Elective (from BAppSc list)		2	Elective

Suggested Electives (from BAppSci course list)

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
GEOM3002	2	Geographical Information Systems	ENVM1511	2	Principles and Practices of Interpretation
LAND3013	2	Integrated Landscape Management	ENVM3504	2	Environment, Sustainability and Ecotourism
LPWM2006	2	Fisheries Science	ENVM3520	2	Environmental Restoration
			LPWM2000	2	Marine & Coastal Environmental Protection
			LPWM2005	2	Fisheries Management
			LPWM2007	2	Environmental Management Field Studies
			LPWM3002	2	Sustainable Wildlife Use and Conservation

Recommended Program for students *with* Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1019	2	Plant and Animal Biology
AGRC1018	2	Introductory Biology	GEOM1960	2	Introduction to Remote Sensing and GIS
ANIM1014	2	Animal Welfare, Behaviour and Handling	LAND2001	2	Land Resources and Landscape Processes
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural and Agricultural Systems	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
ENVM2519	2	National Park Management	ENVM2504	2	Regulatory Frameworks in Environmental Management
LPWM2008	2	Cultural Heritage Management	ENVM2512	2	Fire Management
STAT2701	2	Biometrics I		2	Elective (from BAppSc list)
FIFTH SEMESTER			SIXTH SEMESTER		
ENVM3519	2	Visitors in Sensitive Environments	ANIM3018	2	Wildlife Technologies
LPWM2003	2	Principles of Wildlife Management	ENVM3506	2	International & National Conservation Policy
	2	Elective (from BAppSc list)	ENVM3517	2	Contemporary Protected Area Management
	2	Elective (from BAppSc list)		2	Elective

Suggested Electives (from BAppSci course list)

FIRST SEMESTER			SECOND SEMESTER		
GEOM3002	2	Geographical Information Systems	ENVM1511	2	Principles and Practices of Interpretation
LAND3013	2	Integrated Landscape Management	ENVM3504	2	Environment, Sustainability and Ecotourism
LPWM2006	2	Fisheries Science	ENVM3506	2	International and National Conservation Policy
			ENVM3520	2	Environmental Restoration
			LPWM2000	2	Marine & Coastal Environmental Protection
			LPWM2005	2	Fisheries Management
			LPWM2007	2	Environmental Management Field Studies
			LPWM3002	2	Sustainable Wildlife Use and Conservation

Plants Extended Major

Academic Advisor: Dr Doug George, Email: d.george@uq.edu.au
 Program Requirements: • 30 days Industry Practice work experience

Recommended Program for students *without* Year 12 Chemistry and/or Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry
 AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1017	2	Agricultural Mathematics ²
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
CHEM1002	2	Agricultural and Environmental Chemistry I ¹	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2009	2	Plant Production Technology	AGRC2020	2	Agronomy
HORT2007	2	Horticultural Science	MGTS1960	2	Business Management I
LAND2003	2	The Soil Environment	PLNT2002	2	Plant Physiology
STAT2701	2	Biometrics I	PLNT2011	2	Plant & Environmental Health
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM1014	2	Animal Welfare, Behaviour & Handling	AGRC3002	2	Select (# 4) 2 courses from those listed below: Crop Production Science Pasture Science Production Horticulture Lifestyle Horticulture
			AGRC3006	2	
			HORT3003	2	
			HORT3008	2	
LAND3005	2	Soil-Plant Relationships	AGRC2013	2	Agricultural Microbiology & Gene Technology
			OR		OR
			GNET2001	2	Agricultural Genetics & Biotechnology
LAND3007	2	Land Use & Management		2	Elective
	2	Elective			

¹ If required, otherwise substitute ANIM1014 Animal Welfare, Behaviour & Handling

² If required, otherwise substitute MGTS1960 Business Management I

Recommended Program for students *with* Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1019	2	Plant and Animal Biology
AGRC1018	2	Introductory Biology	CHEM1003	2	Agricultural & Environmental Chemistry II
ANIM1014	2	Animal Welfare, Behaviour and Handling	MGTS1960	2	Business Management I

THIRD SEMESTER			FOURTH SEMESTER		
AGRC2009	2	Plant Production Technology	AGRC2013 OR GNET2001	2	Agricultural Microbiology & Gene Technology OR Agricultural Genetics & Biotechnology
HORT2007	2	Horticultural Science	AGRC2020	2	Agronomy
LAND2003	2	The Soil Environment	PLNT2002	2	Plant Physiology
STAT2701	2	Biometrics I	PLNT2011	2	Plant & Environmental Health
FIFTH SEMESTER			SIXTH SEMESTER		
Code	#	Title	Code	#	Title
LAND3005	2	Soil-Plant Relationships	AGRC3002 AGRC3006 HORT3003 HORT3008	2 2 2 2	Select (# 4) 2 courses from those listed below: Crop Production Science Pasture Science Production Horticulture Lifestyle Horticulture
LAND3007	2	Land Use & Management		2	Elective (from BAppSc list)
	2	Elective *		2	Elective (from BAppSc list)
	2	Elective *			

* AGRC3020 Industrial Placement (#4) is strongly recommended as the fifth semester #4 elective choice

Production Animal Science Extended Major

Academic Advisor: Dr John Gaughan, Email: j.gaughan@uq.edu.au
 Program Requirements: • 30 days Industry Practice work experience

Recommended Program for students *without* Year 12 Chemistry and/or Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
CHEM1002	2	Agricultural and Environmental Chemistry I	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1017	2	Agricultural Mathematics
AGRC2001	2	Agricultural Biochemistry	AGRC2013	2	Agricultural Microbiology and Gene Technology
ANIM1014	2	Animal Welfare, Behaviour and Handling	ANIM2021	2	Animal Biometeorology
ANIM2002	2	Animal Breeding & Genetics	ANIM3040	2	Animal Nutrition
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3013	2	Intensive Animal Production	ANIM3006	2	Animal Health & Epidemiology
ANIM3019	2	Animal Reproduction	ANIM3011	2	Animal Production & Product Quality
STAT2701	2	Biometrics I	ANIM3012	2	Extensive Animal Production
	2	Elective		2	Elective

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
ANIM2041	2	Livestock Industries	AGRC1016	2	Food & Fibre in the E- Landscape
MKTG1502	2	Agriculture & Food Industry Marketing	AGRC3006	2	Pasture Science
MGTS2961	2	Group Dynamics, Negotiation & Adult Learning	ANIM2040	2	Animal Biosecurity
			MGTS1960	2	Business Management I

Recommended Program for students *with* Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
ANIM1014	2	Animal Welfare, Behaviour and Handling	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC2013	2	Agricultural Microbiology and Gene Technology
AGRC2001	2	Agricultural Biochemistry	ANIM2021	2	Animal Biometeorology
ANIM2002	2	Animal Breeding & Genetics	ANIM3040	2	Animal Nutrition
	2	Elective (ANIM2041 Livestock Industries recommended)		2	Elective (from BAppSc list)
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3013	2	Intensive Animal Production	ANIM3006	2	Animal Health & Epidemiology
ANIM3019	2	Animal Reproduction	ANIM3011	2	Animal Production & Product Quality
STAT2701	2	Biometrics I	ANIM3012	2	Extensive Animal Production
	2	Elective (from BAppSc list)		2	Elective

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
ANIM2041	2	Livestock Industries	AGRC1016	2	Food & Fibre in the E- Landscape
MKTG1502	2	Agriculture & Food Industry Marketing	AGRC3006	2	Pasture Science
MGTS2961	2	Group Dynamics, Negotiation & Adult Learning	ANIM2040	2	Animal Biosecurity
			LAND3004	2	Rangeland Management
			MGTS1960	2	Business Management I

Rural Management Extended Major – Modified 20-5-2010

Academic Advisor: Steve Beasley, Email: s.beasley@uq.edu.au
 Program Requirements: • 30 days Industry Practice work experience

Recommended Program for students *without* Year 12 Chemistry and/or Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1017	2	Agricultural Mathematics
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1019	2	Plant and Animal Biology
AGRC1018	2	Introductory Biology	CHEM1003	2	Agricultural & Environmental Chemistry II
CHEM1002	2	Agricultural and Environmental Chemistry I	MGTS1960	2	Business Management I
THIRD SEMESTER			FOURTH SEMESTER		
ANIM1003	2	Animal Structure & Function	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
ANIM1014	2	Animal Welfare, Behaviour and Handling	ENVM1512	2	Ecological Economics
LAND2003	2	The Soil Environment		2	Elective (from BAppSc list)
MKTG1502	2	Agriculture & Food Industry Marketing		2	Elective (from BAppSc list)
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM2041	2	Livestock Industries	AGRC2020	2	Agronomy
ENVM3526	2	Systems Thinking Systems Dynamics (For a complex World)	AGRC3026	2	Comparative International Farm Systems Case Studies
FINM3960	2	Investment Project Appraisal	ANIM2042	2	Livestock Management & Production
STAT2701	2	Biometrics I	PLNT2011	2	Plant & Environmental Health

Elective courses – If you don't have Year 12 Maths and Year 12 Chemistry, the elective courses must be selected from the level 3 courses from the BAppSc list to meet the rule of #12 of level 3 courses (and must choose AGRC3002 or AGRC3006 and not PLNT2011).

Note that either LPWM3004 #2 or LPWM3003 #4 can be selected as an elective.

Recommended Program for students *with* Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1019	2	Plant and Animal Biology
AGRC1018	2	Introductory Biology	CHEM1003	2	Agricultural & Environmental Chemistry II
ANIM1003	2	Animal Structure & Function	MGTS1960	2	Business Management I
THIRD SEMESTER			FOURTH SEMESTER		
ANIM1014	2	Animal Welfare, Behaviour and Handling	AGRC2020	2	Agronomy
LAND2003	2	The Soil Environment	ENVM1512	2	Ecological Economics
MKTG1502	2	Agriculture & Food Industry Marketing		2	Elective (from BAppSc list)
STAT2701	2	Biometrics I		2	Elective
FIFTH SEMESTER			SIXTH SEMESTER		
FINM3960	2	Investment Project Appraisal	AGRC3026	2	Comparative International Farm Systems Case Studies
ANIM2041	2	Livestock Industries	ANIM2042	2	Livestock Management & Production
ENVM3526	2	Systems Thinking Systems Dynamics (For a complex World)	PLNT2011	2	Plant & Environmental Health
	2	Elective (from BAppSc list)		2	Elective

Veterinary Technology Extended Major

Academic Advisor: Mr Andrew Tribe, Email: a.tribe@uq.edu.au

Program Requirements: • 30 days Industry Practice work experience – (2009, subject to final approval – will increase to 70 days)

Recommended Program for students *without* Year 12 Chemistry and/or Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
CHEM1002	2	Agricultural & Environmental Chemistry I	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1017	2	Agricultural Mathematics
AGRC2001	2	Agricultural Biochemistry	ANIM3006	2	Animal Health & Epidemiology
ANIM1014	2	Animal Welfare, Behaviour and Handling	ANIM3040	2	Animal Nutrition
ANIM2002	2	Animal Breeding & Genetics		2	Elective
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3019	2	Animal Reproduction	VETS3018	2	Large Animal Health & Management
STAT2701	2	Biometrics I	VETS3019	4	Practice Skills & Diagnostics
VETS3009	2	Small Animal Health		2	Elective
VETS3020	2	Surgical Principles & Practices			

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
VETS2001	2	Animal Health Technology	AGRC2013	2	Agricultural Microbiology and Gene Technology
VETS3017	2	Animal Therapeutics	ANIM2038	2	Animal Ethics, Codes of Practice and Legislation
			ANIM3043	2	The Behaviour & Management of Animals in Society
			MGTS1960	2	Business Management I

Recommended Program for students *with* Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
ANIM1014	2	Animal Welfare, Behaviour and Handling	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	ANIM3006	2	Animal Health & Epidemiology
AGRC2001	2	Agricultural Biochemistry	ANIM3040	2	Animal Nutrition
ANIM2002	2	Animal Breeding & Genetics		2	Elective (from BAppSc list)
STAT2701	2	Biometrics I		2	Elective (from BAppSc list)
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3019	2	Animal Reproduction	VETS3018	2	Large Animal Health & Management
VETS3009	2	Small Animal Health	VETS3019	4	Practice Skills & Diagnostics
VETS3020	2	Surgical Principles & Practices		2	Elective
	2	Elective			

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
VETS2001	2	Animal Health Technology	AGRC2013	2	Agricultural Microbiology and Gene Technology
VETS3017	2	Animal Therapeutics	ANIM2038	2	Animal Ethics, Codes of Practice and Legislation
			ANIM3043	2	The Behaviour & Management of Animals in Society
			MGTS1960	2	Business Management I

Wildlife Science Extended Major

Academic Advisor: Dr Peter Murray, Email: peter.murray@uq.edu.au
 Program Requirements • 30 days Industry Practice work experience

Recommended Program for students *without* Year 12 Chemistry and/or Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1017	2	Agricultural Mathematics
ANIM1003	2	Animal Physiology	AGRC1019	2	Plant and Animal Biology
CHEM1002	2	Agricultural & Environmental Chemistry I	CHEM1003	2	Agricultural & Environmental Chemistry II
SUMMER SEMESTER					
ANIM1014	2	Animal Welfare, Behaviour and Handling			
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	ANIM2011	2	Animal Physiology
AGRC2019	2	Ecology of Natural and Agricultural Systems	ANIM3006	2	Animal Health & Epidemiology
ANIM2005	2	Australian Terrestrial Vertebrates	ANIM3018	2	Wildlife Technologies
STAT2701	2	Biometrics I		2	Elective
FIFTH SEMESTER			SIXTH SEMESTER		
AGRC2001	2	Agricultural Biochemistry	ANIM3016	2	Captive Wildlife Husbandry
ANIM2002	2	Animal Breeding & Genetics	ANIM3040	2	Animal Nutrition
ANIM3019	2	Animal Reproduction		2	Elective (from BAppSc list)
LPWM2003	2	Principles of Wildlife Management			

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
AGRC2015	2	Short International Experience	AGRC2013	2	Agricultural Microbiology and Gene Technology
			AGRC2015	2	Short International Experience
			ANIM2021	2	Animal Biometeorology
			ANIM2040	2	Animal Biosecurity
			ANIM3043	2	The Behaviour and Management of Animals in Society
			LPWM2007	2	Environmental Management Field Studies
			LPWM3002	2	Wildlife Utilisation & Marketing

Recommended Program for students *with* Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant and Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
ANIM1014	2	Animal Welfare, Behaviour & Handling	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	ANIM3006	2	Animal Health & Epidemiology
AGRC2019	2	Ecology of Natural and Agricultural Systems	ANIM3018	2	Wildlife Technologies
ANIM2005	2	Australian Terrestrial Vertebrates		2	Elective (from BAppSc list)
STAT2701	2	Biometrics I		2	Elective (from BAppSc list)
FIFTH SEMESTER			SIXTH SEMESTER		
AGRC2001	2	Agricultural Biochemistry	ANIM3016	2	Captive Wildlife Husbandry
ANIM2002	2	Animal Breeding & Genetics	ANIM3040	2	Animal Nutrition
ANIM3019	2	Animal Reproduction		2	Elective (from BAppSc list)
LPWM2003	2	Principles of Wildlife Management		2	Elective

Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
AGRC2015	2	Short International Experience	AGRC2013	2	Agricultural Microbiology and Gene Technology
			AGRC2015	2	Short International Experience
			ANIM2021	2	Animal Biometeorology
			ANIM2040	2	Animal Biosecurity
			ANIM3043	2	The Behaviour and Management of Animals in Society
			LPWM2007	2	Environmental Management Field Studies
			LPWM3002	2	Wildlife Utilisation & Marketing