

R = Residential School	Y = First year available externally	Vol = Voluntary	TBA = To be advised
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To choose an elective, students should consult the full program lists on the web at <http://www.uq.edu.au/study/>  
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## Bachelor of Applied Science – Extended Majors – External

QTAC Code for all: 780169 (Gatton) Program Code: 2240

### Equine Science Extended Major

Academic Advisor: Dr Mark Hohenhaus, Email: [m.hohenhaus@uq.edu.au](mailto:m.hohenhaus@uq.edu.au)

Program Requirements: • 30 days Industry Practice work experience

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

<sup>C</sup> If student does not have Year 12 Chemistry and / or Mathematics B

NOTE: Please select the external offering of your courses when enrolling

2009 FIRST SEMESTER			2009 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2010 FIRST SEMESTER			2010 SECOND SEMESTER		
ANIM1003	2	Animal Structure & Function (R)	ANIM2011	2	Animal Physiology (R)
CHEM1002 <sup>C</sup>	2	Agricultural & Environmental Chemistry I <sup>C</sup> (R)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)			
2011 FIRST SEMESTER			2011 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1017 <sup>C</sup>	2	Agricultural Mathematics <sup>C</sup>
				2	OR Elective (from BAppSci course list)
ANIM1014 <sup>C</sup>	2	Animal Welfare, Behaviour & Handling (R) <sup>C</sup>	AGRC2013	2	Agricultural Microbiology & Gene Technology (R)
ANIM1006	2	OR Equine Husbandry & Equitation I			
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC2001	2	Agricultural Biochemistry (R)	ANIM3040	2	Animal Nutrition (R)
ANIM1006 <sup>C</sup>	2	Equine Husbandry & Equitation I <sup>C</sup>	STAT2701	2	Biometrics I (R)
	2	OR Elective (from BAppSci course list)			
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
ANIM2002	2	Animal Breeding & Genetics (R)	ANIM2039	2	Equine Stud Management (R)
ANIM3019	2	Animal Reproduction (R)	ANIM3006	2	Animal Health & Epidemiology (R)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
ANIM3039	2	Equine Exercise & Rehabilitation (R)	ANIM3030	2	Equine Nutrition & Health (R-TBA) (Y:2009)
	2	Elective (from BAppSci course list)		2	Elective (from BAppSci course list)

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## Parks and Wildlife Management Extended Major

Academic Advisor: Assoc Prof Marc Hockings, Email: [m.hockings@uq.edu.au](mailto:m.hockings@uq.edu.au)

Program Requirements: • 30 days Industry Practice work experience

<sup>C</sup> If student does not have Year 12 Mathematics B

**NOTE:** Please select the external offering of your courses when enrolling

2009 FIRST SEMESTER			2009 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1017 <sup>C</sup>	2	Agricultural Mathematics <sup>C</sup>
			AGRC1014		OR Plant Utilization in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2010 FIRST SEMESTER			2010 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	GEOM1960	2	Introduction to Remote Sensing & GIS
AGRC2019	2	Ecology of Natural & Agricultural Systems (R)	LAND2001	2	Land Resources & Landscape Processes
2011 FIRST SEMESTER			2011 SECOND SEMESTER		
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	ENVM2504	2	Regulatory Frameworks in Environmental Management (R-Vol)
ENVM2519	2	National Park Management	ENVM2512	2	Fire Management (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
LPWM2003	2	Principles of Wildlife Management	AGRC1014 <sup>C</sup>	2	Plant Utilization in Natural & Agricultural Environments <sup>C</sup>
					OR Elective (from BAppSci course list)
LPWM2008	2	Cultural Heritage Management	AGRC2014	2	Problem Solving in Natural & Agrifood Systems (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
ENVM3519	2	Visitors in Sensitive Environments	ENVM3506	2	International & National Conservation Policy
	2	Elective (from BAppSci course list)	STAT2701	2	Biometrics I (R)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
	2	Elective (from BAppSci course list)	ANIM3018	2	Wildlife Technologies
	2	Elective (from BAppSci course list)	ENVM3517	2	Contemporary Protected Area Management

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## Plants Extended Major

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

<sup>C</sup> If student does not have Year 12 Chemistry and / or Mathematics B

NOTE: Please select the external offering of your courses when enrolling

2009 FIRST SEMESTER			2009 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2010 FIRST SEMESTER			2010 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
CHEM1002 <sup>C</sup>	2	Agricultural & Environmental Chemistry I (R) <sup>C</sup> OR Elective (from BAppSci course list)	AGRC1017 <sup>C</sup>	2	Agricultural Mathematics <sup>C</sup> OR Elective (from BAppSci course list)
	2			2	
2011 FIRST SEMESTER			2011 SECOND SEMESTER		
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	MGTS1960	2	Business Management I
LAND2003	2	The Soil Environment	STAT2701	2	Biometrics I (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC2009	2	Plant Production Technology	AGRC2020	2	Agronomy (R)
HORT2007	2	Horticultural Science (R)	PLNT2002	2	Plant Physiology (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
LAND3005	2	Soil-Plant Relationships (Y:TBA)	AGRC2013	2	Agricultural Microbiology & Gene Technology (R) OR
			GNET2001	2	Agricultural Genetics & Biotechnology (Y:TBA)
LAND3007	2	Land Use & Management (R)	PLNT2011	2	Plant & Environmental Health (R)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
Elective*	2	Elective (from BAppSci course list) *			Select #4 (2 courses) from:
Elective*	2	Elective (from BAppSci course list) *	AGRC3002	2	Crop Production Science (R)
			AGRC3006	2	Pasture Science
			HORT3008	2	Lifestyle Horticulture (R)
			HORT3003	2	Production Horticulture (R)

\* AGRC3020 Industrial Placement (#4) is strongly recommended as the 2013 elective choice

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 Some courses may have Residential School requirements.

## Production Animal Science Extended Major

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

<sup>C</sup> If student does not have Year 12 Chemistry and / or Mathematics B

NOTE: Please select the external offering of your courses when enrolling

2009 FIRST SEMESTER			2009 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2010 FIRST SEMESTER			2010 SECOND SEMESTER		
ANIM1003	2	Animal Structure & Function (R)	ANIM2011	2	Animal Physiology (R)
CHEM1002 <sup>C</sup>	2	Agricultural & Environmental Chemistry I (R) <sup>C</sup>	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
ANIM1014	2	OR ANIM1014 Animal Welfare, Behaviour & Handling (R)			
2011 FIRST SEMESTER			2011 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC213	2	Agricultural Microbiology & Gene Technology (R)
ANIM1014 <sup>C</sup>	2	Animal Welfare, Behaviour & Handling (R) <sup>C</sup>	AGRC1017 <sup>C</sup>	2	Agricultural Mathematics <sup>C</sup>
	2	OR Elective (from BAppSci course list)		2	OR Elective (from BAppSci course list)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC2001	2	Agricultural Biochemistry (R)	ANIM3040	2	Animal Nutrition (R)
ANIM2002	2	Animal Breeding & Genetics (R)	STAT2701	2	Biometrics I (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
ANIM3019	2	Animal Reproduction (R)	ANIM2021	2	Animal Biometeorology (R-TBA)
	2	Elective (from BAppSci course list)	ANIM3006	2	Animal Health & Epidemiology
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
ANIM3013	2	Intensive Animal Production (R)	ANIM3011	2	Animal Production & Product Quality
	2	Elective (from BAppSci course list)	ANIM3012	2	Extensive Animal Production (R)

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Some courses may have Residential School requirements.

## Rural Management Extended Major – Modified 20-5-2010

Academic Advisor: Mr Steve Beasley, Email: [s.beasley@uq.edu.au](mailto:s.beasley@uq.edu.au)

Program Requirements: • 30 days Industry Practice work experience

<sup>C</sup> If student does not have Year 12 Chemistry and / or Mathematics B

NOTE: Please select the external offering of your courses when enrolling

2009 FIRST SEMESTER			2009 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1017 <sup>C</sup>	2	Agricultural Mathematics <sup>C</sup>
			AGRC1014	2	Plant Utilization in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2010 FIRST SEMESTER			2010 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
CHEM1002 <sup>C</sup>	2	Agricultural & Environmental Chemistry I (R) <sup>C</sup>	MGTS1960	2	Business Management I
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)			
2011 FIRST SEMESTER			2011 SECOND SEMESTER		
ANIM1014 <sup>C</sup>	2	Animal Welfare, Behaviour & Handling (R) <sup>C</sup> OR Elective (from BAppSci course list)	AGRC1014 <sup>C</sup>	2	Plant Utilization in Natural & Agricultural Environments <sup>C</sup> OR Elective (from BAppSci course list)
ANIM1003	2	Animal Structure & Function (R)	ENVM1512	2	Ecological Economics
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
LAND2003	2	The Soil Environment	AGRC2020	2	Agronomy (R)
MKTG1502	2	Agriculture & Food Industry Marketing (Remote)	STAT2701	2	Biometrics I (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
ENVM3526	2	Systems Thinking, Systems Dynamics (for a Complex World) (Remote)	AGRC3026	2	Comparative International Farm Systems Case Studies
FINM3960	2	Investment Project Appraisal	AGRC3002	2	Crop Production Science
			OR		OR
			AGRC3006	2	Pasture Science
			OR		OR
			PLNT2011	2	Plant & Environmental Health
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
ANIM2041	2	Livestock Industries (Y:2010)	ANIM2042	2	Livestock Management & Production (R-TBA)
	2	Elective (from BAppSci course list)		2	Elective (from BAppSci course list)

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 Some courses may have Residential School requirements.

## Veterinary Technology Extended Major

Academic Advisor: Mr Andrew Tribe, Email: [a.tribe@uq.edu.au](mailto:a.tribe@uq.edu.au)

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

<sup>C</sup> If student does not have Year 12 Chemistry and / or Mathematics B

NOTE: Please select the external offering of your courses when enrolling

2009 FIRST SEMESTER			2009 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2010 FIRST SEMESTER			2010 SECOND SEMESTER		
ANIM1003	2	Animal Structure & Function (R)	ANIM2011	2	Animal Physiology (R)
CHEM1002 <sup>C</sup>	2	Agricultural & Environmental Chemistry I (R) <sup>C</sup>	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
	2	OR Elective (from BAppSci course list)			
2011 FIRST SEMESTER			2011 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1017 <sup>C</sup>	2	Agricultural Mathematics <sup>C</sup>
				2	OR Elective (from BAppSci course list)
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	ANIM3006	2	Animal Health & Epidemiology (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC2001	2	Agricultural Biochemistry (R)	ANIM3040	2	Animal Nutrition (R)
ANIM2002	2	Animal Breeding & Genetics (R)	STAT2701	2	Biometrics I (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
ANIM3019	2	Animal Reproduction (R if studied externally)	VETS3018	2	Large Animal Health & Management *
VETS3009	2	Small Animal Health *	VETS3019	4	Practice Skills & Diagnostics *
VETS3020	2	Surgical Principles & Practice *		2	Elective (from BAppSci course list)
	2	Elective (from BAppSci course list)			

\* These courses can only be undertaken in the Internal mode.

The final year of the Veterinary Technology Extended Major must be studied on a full-time internal basis and may be located at either the Gatton Campus or St Lucia Campus.

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 Some courses may have Residential School requirements.

## Wildlife Science Extended Major

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

<sup>C</sup> If student does not have Year 12 Chemistry and / or Mathematics B

NOTE: Please select the external offering of your courses when enrolling

2009 FIRST SEMESTER			2009 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2010 FIRST SEMESTER			2010 SECOND SEMESTER		
ANIM1003	2	Animal Structure & Function (R)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
CHEM1002 <sup>C</sup>	2	Agricultural & Environmental Chemistry I (R) <sup>C</sup>	AGRC1017 <sup>C</sup>	2	Agricultural Mathematics <sup>C</sup>
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)			OR Elective (from BAppSci course list)
2011 FIRST SEMESTER			2011 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	ANIM2011	2	Animal Physiology (R)
ANIM1014 <sup>C</sup>	2	Animal Welfare, Behaviour & Handling (R) <sup>C</sup>	ANIM3006	2	Animal Health & Epidemiology (R)
	2	OR Elective (from BAppSci course list)			
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC2001	2	Agricultural Biochemistry (R)	ANIM3018	2	Wildlife Technologies
ANIM2002	2	Animal Breeding & Genetics (R)	STAT2701	2	Biometrics I (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
AGRC2019	2	Ecology of Natural & Agricultural Systems (R)	ANIM3016	2	Captive Wildlife Husbandry
ANIM2005	2	Australian Terrestrial Vertebrates (R)	ANIM3040	2	Animal Nutrition (R)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
ANIM3019	2	Animal Reproduction (R)		2	Elective (from BAppSci course list)
LPWM2003	2	Principles of Wildlife Management		2	Elective (from BAppSci course list)