

## Bachelor of Applied Science – Single Major Combinations

QTAC Code: 780169 (Gatton) Program Code: 2240

### Animal & Plant Biosecurity Major / Animal Science Major

Academic Advisor: Dr Victor Galea, Email: v.galea@uq.edu.au / Dr Mark Hohenhaus, Email: m.hohenhaus@uq.edu.au

Program Requirements: • 30 days Industry Practice work experience

<sup>c</sup>If student does not have Senior Chemistry and / or Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management & Communication in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1003	2	Animal Structure and Function	ANIM2011	2	Animal Physiology
CHEM1002 OR ANIM1014	2	Agricultural & Environmental Chemistry I <sup>c</sup> OR Animal Welfare, Behaviour and Handling	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice in Environmental & Agrifood Industries	AGRC2013	2	Agricultural Microbiology & Gene Technology
ANIM2002	2	Animal Breeding & Genetics	ANIM3006	2	Animal Health and Epidemiology
ANIM1014	2	Animal Welfare, Behaviour and Handling <sup>c</sup> OR Elective (from BAppSc course list)	AGRC1017	2	Agricultural Mathematics <sup>c</sup> OR Elective (from BAppSc course list)
	2	Elective (from BAppSc course list)	PLNT2011	2	Plant & Environmental Health
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3019	2	Animal Reproduction	ANIM2040	2	Animal Biosecurity
STAT2701	2	Biometrics I	ANIM3040	2	Animal Nutrition
	2	Elective (from BAppSc course list)	PLNT3009	2	Plant Protection
	2	Elective (from Animal & Plant Biosecurity Major elective list)		2	Elective (from BAppSc course list)

Animal & Plant Biosecurity Major electives (at least #2 (1 course) to be selected from the following):

FIRST SEMESTER			SECOND SEMESTER		
MGTS2961	2	Group Dynamics, Negotiation & Adult Learning	ANIM3011	2	Animal Production & Product Quality
			PLNT3012	2	Weed Science

## Animal & Plant Biosecurity Major / Plants Major

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

<sup>c</sup> If student does not have Senior Chemistry and / or 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 & Animal Biology
AGRC1018	2	Introductory Biology	CHEM1003	2	Agricultural & Environmental Chemistry II
CHEM1002 <sup>c</sup>	2	Agricultural & Environmental Chemistry I <sup>c</sup> <b>OR</b>	AGRC1017	2	Agricultural Mathematics <sup>c</sup> <b>OR</b>
	2	Elective (from BAppSc course list)		2	Elective (from BAppSc course list)
THIRD SEMESTER			FOURTH SEMESTER		
ANIM1014	2	Animal Welfare Behaviour & Handling	AGRC2013	2	Agricultural Microbiology & Gene Technology
HORT2007	2	Horticultural Science (recommended) <b>OR</b>	AGRC2020	2	Agronomy
	2	Elective (from BAppSc course list)			
LAND2003	2	The Soil Environment	ANIM2040	2	Animal Biosecurity
STAT2701	2	Biometrics I	PLNT2011	2	Plant & Environmental Health
FIFTH SEMESTER			SIXTH SEMESTER		
LAND3005 <b>OR</b> LAND3007	2	Soil Plant Relationships <b>OR</b> Land Use & Management	AGRC3002 <b>OR</b> AGRC3006 <b>OR</b> HORT3008 <b>OR</b> HORT3003	2	Crop Production Science <b>OR</b> Pasture Science <b>OR</b> Lifestyle Horticulture <b>OR</b> Production Horticulture
	2	Elective (from BAppSc course list)	ANIM3006	2	Animal Health & Epidemiology
	2	Elective (from BAppSc course list)	PLNT3009	2	Plant Protection
	2	Elective (from Animal & Plant Biosecurity Major elective list)		2	Elective (from BAppSc course list)

Animal & Plant Biosecurity Major electives (at least #2 (1 course) to be selected from the following):

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
MGTS2961	2	Group Dynamics, Negotiation & Adult Learning	ANIM3011	2	Animal Production & Product Quality
			PLNT3012	2	Weed Science

## Animal Science / Conservation Management Major

Academic Advisor: Dr Mark Hohenhaus, Email: m.hohenhaus@uq.edu.au / Dr Greg Baxter, Email: g.baxter@uq.edu.au  
 Program Requirements: • 30 days Industry Practice work experience

<sup>c</sup> If student does not have Senior Chemistry and / or Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management & Communication in Natural & Agrifood Systems	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1003	2	Animal Structure and Function	ANIM2011	2	Animal Physiology
CHEM1002 <b>OR</b> ANIM1014	2	Agricultural & Environmental Chemistry I <sup>c</sup> <b>OR</b> Animal Welfare, Behaviour and Handling	CHEM1003	2	Agricultural & Environmental Chemistry II

THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice in Environmental & Agrifood Industries	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
AGRC2019	2	Ecology of Natural & Agricultural Systems	ANIM3040	2	Animal Nutrition
ANIM2002	2	Animal Breeding & Genetics	ENVM2504	2	Regulatory frameworks in Environmental Management
ANIM1014	2	Animal Welfare, Behaviour and Handling <sup>c</sup> <b>OR</b> 2 Elective (from BAppSc course list)	AGRC1017 <b>OR</b> ENVM2512	2	Agricultural Mathematics <sup>c</sup> <b>OR</b> 2 Fire Management
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3019	2	Animal Reproduction	ANIM3006	2	Animal Health & Epidemiology
ENVM3013	2	Integrated Landscape Management	ENVM3506	2	International & National Conservation Policy
STAT2701	2	Biometrics I	ENVM3517	2	Contemporary Protected Area Management
	2	Elective (from BAppSc course list)	ENVM2512	2	Fire Management <b>OR</b> 2 Elective (from BAppSc course list)

## Animal Science Major / Regional & Rural Business Management Major

Academic Advisor: Dr Mark Hohenhaus Email: m.hohenhaus@uq.edu.au / Mr Steve Beasley Email: sbeasley@uqg.uq.edu.au  
 Program Requirements: • 30 days Industry Practice work experience

<sup>c</sup> If student does not have Senior Chemistry and / or Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	AGRC1019	2	Plant & Animal Biology
AGRC1018	2	Introductory Biology	ANIM2011	2	Animal Physiology
ANIM1003	2	Animal Structure & Function	CHEM1003	2	Agricultural & Environmental Chemistry II
CHEM1002 <b>OR</b> AGRC1010	2	Agricultural & Environmental Chemistry I <sup>c</sup> <b>OR</b> 2 Systems Thinking & Practice for Environmental & Agrifood Industries	MGTS1960	2	Business Management I
THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries <sup>c</sup> <b>OR</b> 2 Elective (from BAppSc course list)	AGRC1017	2	Agricultural Mathematics <sup>c</sup> <b>OR</b> 2 Elective (from BAppSc course list)
ANIM1014	2	Animal Welfare Behaviour & Handling	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
ANIM2002	2	Animal Breeding & Genetics	ENVM1512	2	Ecological Economics
MKTG1502	2	Agriculture & Food Industry Marketing	FINM3960	2	Investment Project Appraisal
FIFTH SEMESTER			SIXTH SEMESTER		
AGRC3025 <b>OR</b> AGRC3026	2	Decision Support Systems for Natural & Agrifood Systems <b>OR</b> 2 Comparative International Farm Systems Case Studies	ANIM3006	2	Animal Health & Epidemiology
ANIM3019	2	Animal Reproduction	ANIM3040	2	Animal Nutrition
ENVM3526	2	Systems Thinking Systems Dynamics (For a Complex World)		2	Elective (from BAppSc course list)
STAT2701	2	Biometrics I		2	Elective (from BAppSc course list)

## Animal Science Major / Wildlife Management Major

Academic Advisor: Dr Mark Hohenhaus, Email: m.hohenhaus@uq.edu.au / Dr Greg Baxter, Email: g.baxter@uq.edu.au  
 Program Requirements: • 30 days Industry Practice work experience

<sup>c</sup> If student does not have Senior Chemistry and / or 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 & Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
CHEM1002 OR ANIM1014	2	Agricultural & Environmental Chemistry I <sup>c</sup> OR Animal Welfare Behaviour & Handling	CHEM1003	2	Agricultural & Environmental Chemistry II
THIRD SEMESTER			FOURTH SEMESTER		
ANIM1014	2	Animal Welfare Behaviour & Handling OR Elective (from BAppSc course list)	AGRC1017 <sup>c</sup>	2	Agricultural Mathematics <sup>c</sup> OR Elective (from BAppSc course list)
ANIM2002	2	Animal Genetics & Breeding	ANIM3018		Wildlife Technologies
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	ANIM3040	2	Animal Nutrition
AGRC2019	2	Ecology of Natural & Agricultural Systems	ENVM2504	2	Regulatory Frameworks in Environmental Management
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3019	2	Animal Reproduction	AGRC2015 OR LPWM2007	2	Short International Experience OR Environmental Management Field Skills
LPWM2003	2	Principles of Wildlife Management	ANIM3006	2	Animal Health & Epidemiology
STAT2701	2	Biometrics I	ENVM3506	2	International & National Conservation Policy
	2	Elective (BAppSc course list)	LPWM3002	2	Sustainable Wildlife Use & Conservation

## Conservation Management Major / Wildlife Management Major

Academic Advisor: Dr Greg Baxter, Email: g.baxter@uq.edu.au  
 Program Requirements: • 30 days Industry Practice work experience

<sup>c</sup> If student does not have Senior 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 & Animal Biology
AGRC1018	2	Introductory Biology	AGRC1017	2	Agricultural Mathematics <sup>c</sup> OR Elective (from BAppSc course list)
ANIM1014	2	Animal Welfare, Behaviour & Handling	ENVM2504	2	Regulatory Frameworks in Environmental Management
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural & Agrifood Systems	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
LPWM2003	2	Principles of Wildlife Management	ANIM3018	2	Wildlife Technologies
STAT2701	2	Biometrics I	ENVM2512	2	Fire Management
	2	Elective (from BAppSc course list)		2	Elective (from BAppSc course list)

FIFTH SEMESTER			SIXTH SEMESTER		
ANIM2005	2	Australian Terrestrial Vertebrates	ENVM3506	2	International & National Conservation Policy
LAND3013	2	Integrated Landscape Management	ENVM3517	2	Contemporary Protected Area Management
	2	Elective (from BAppSc course list)	AGRC2015 OR LPWM2007	2	Short International Experience OR Environmental Management Field Studies
	2	Elective (from BAppSc course list)	LPWM3002	2	Sustainable Wildlife Use & Conservation

## Plants Major / Regional and Rural Business Management Major

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

<sup>c</sup> If student does not have Senior Chemistry and / or 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 & Animal Biology
AGRC1018	2	Introductory Biology	CHEM1003	2	Agricultural & Environmental Chemistry II
CHEM1002 <sup>c</sup> OR ANIM1014	2	Agricultural & Environmental Chemistry I <sup>c</sup> OR Animal Welfare Behaviour & Handling	MGTS1960	2	Business Management I
THIRD SEMESTER			FOURTH SEMESTER		
ANIM1014	2	Animal Welfare Behaviour & Handling <sup>c</sup> OR Elective (from BAppSc course list)	AGRC1017	2	Agricultural Mathematics <sup>c</sup> OR Elective (from BAppSc course list)
HORT2007	2	Horticultural Science	AGRC2020	2	Agronomy
LAND2003	2	The Soil Environment	ENVM1512	2	Ecological Economics
MKTG1502	2	Agriculture & Food Industry Marketing	FINM3960	2	Investment Project Appraisal
FIFTH SEMESTER			SIXTH SEMESTER		
AGRC3025 OR AGRC3026	2	Decision Support Systems for Natural & Agrifood Systems OR Comparative International Farm Systems Case Studies	AGRC3002 OR AGRC3006 OR HORT3003 OR HORT3008	2	Crop Production Science OR Pasture Science OR Production Horticulture OR Lifestyle Horticulture
ENVM3526	2	Systems Thinking Systems Dynamics (For a Complex World)	PLNT2011	2	Plant & Environmental Health
LAND3005 OR LAND3007	2	Soil Plant Relationships OR Land Use & Management		2	Elective (from BAppSc course list)
STAT2701	2	Biometrics I		2	Elective (from BAppSc course list)

## Regional & Rural Business Management Major / Wildlife Management Major

Academic Advisor: Mr Steve Beasley, Email: sbeasley@uqg.uq.edu.au / Dr Greg Baxter, Email: g.baxter@uq.edu.au  
 Program Requirements: • 30 days Industry Practice work experience

° If student does not have Senior Chemistry and/or 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	AGRC1017 Agricultural Mathematics ° <b>OR</b> 2 Elective (from BAppSc course list)
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1014	2	Animal Welfare Behaviour & Handling	MGTS1960	2	Business Management I
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural & Agricultural Systems	ANIM3018	2	Wildlife Technologies
LPWM2003	2	Principles of Wildlife Management	ENVM1512	2	Ecological Economics
MKTG1502	2	Agriculture & Food Industry Marketing	ENVM2504	2	Regulatory Framework in Environmental Management
STAT2701	2	Biometrics I		2	Elective (from BAppSc course list)
FIFTH SEMESTER			SIXTH SEMESTER		
AGRC3025 <b>OR</b> AGRC3026	2	Decision Support Systems for Natural & Agrifood Systems <b>OR</b> Comparative International Farm Management Case Studies	ENVM3506	2	International & National Conservation Policy
ENVM3526	2	Systems Thinking Systems Dynamics (For a Complex World)	AGRC2015 <b>OR</b> LPWM2007	2	Short International Experience <b>OR</b> Environmental Management Field Studies
	2	Elective (from BAppSc course list)	FINM3960	2	Investment Project Appraisal
	2	Elective (from BAppSc course list)	LPWM3002	2	Sustainable Wildlife Use & Conservation