

Bachelor of Applied Science – Single Major Combinations

QTAC Code: 780169 (Gatton) Program Code: 2240

Animal & Plant Biosecurity Major / Animal Science Major

Academic Advisors: Assoc Prof 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

^cIf 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 ^c 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
ANIM1014	2	Animal Welfare, Behaviour and Handling ^c OR Elective (from BAppSc course list) ANIM2041 recommended	AGRC1017 OR Elective	2	Agricultural Mathematics ^c OR Elective (from BAppSc course list) ANIM2042 recommended
ANIM2002	2	Animal Breeding & Genetics	ANIM3006	2	Animal Health and Epidemiology
	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) ANIM3013 recommended	PLNT3009	2	Plant Protection
	2	Elective (from Animal & Plant Biosecurity Major elective list)		2	Elective (from BAppSc course list) ANIM3012 recommended

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	Working with Groups & Teams	ANIM3011	2	Animal Production & Product Quality
PLNT3012	2	Weed Science			

Animal & Plant Biosecurity Major / Plants Major

Academic Advisors: Dr Mark Hohenhaus, email: m.hohenhaus@uq.edu.au / Dr Doug George, email: d.george@uq.edu.au
or Dr Margaret Johnston, email: m.johnston@uq.edu.au

Program Requirements: 30 days Industry Practice work experience

^c 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 ^c	2	Agricultural & Environmental Chemistry I ^c	AGRC1017	2	Agricultural Mathematics ^c
OR		OR	OR		OR
Elective	2	Elective (from BAppSc course list)	Elective	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	AGRC2020	2	Agronomy
LAND2003	2	The Soil Environment	ANIM2040	2	Animal Biosecurity
STAT2701	2	Biometrics I	PLNT2011	2	Plant & Environmental Health
FIFTH SEMESTER			SIXTH SEMESTER		
LAND3005	2	Soil Plant Relationships	AGRC3002	2	Crop Production Science
OR		OR	OR		OR
LAND3007	2	Land Use & Management	AGRC3006	2	Pasture Science
			OR		OR
			HORT3008	2	Lifestyle Horticulture
			OR		OR
			HORT3003	2	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	Working with Groups & Teams	ANIM3011	2	Animal Production & Product Quality
PLNT3012	2	Weed Science			

Animal Science / Conservation Management Major

Academic Advisors: 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

^c 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
			OR		OR
			AGRC1017	2	Agricultural Mathematics ^c
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1003	2	Animal Structure and Function	ANIM2011	2	Animal Physiology
ANIM1014	2	Animal Welfare, Behaviour and Handling	GEOM1960	2	Introduction to Remote Sensing & GIS

THIRD SEMESTER			FOURTH SEMESTER		
AGRC1010	2	Systems Thinking & Practice in Environmental & Agrifood Industries	ENVM2504	2	Regulatory Frameworks in Environmental Management
AGRC2019	2	Ecology of Natural & Agricultural Systems	ANIM3006	2	Animal Health & Epidemiology
ANIM2002	2	Animal Breeding & Genetics	CHEM1003	2	Agricultural & Environmental Chemistry II
CHEM1002 OR ANIM1014	2	Agricultural & Environmental Chemistry I ^c OR Elective (from BAppSc course list)	AGRC1014 OR ENVM2512	2	Plant Utilisation in Natural & Agricultural Environments ^c OR Fire Management
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3019	2	Animal Reproduction	ANIM3040	2	Animal Nutrition
LAND3013	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 OR Elective	2	Fire Management ^c OR Elective (from BAppSc course list)

Note: Students are required to have completed #12 of late year courses (level 3) in order to graduate.

Animal Science Major / Regional & Rural Business Management Major

Academic Advisors: Dr Mark Hohenhaus, email: m.hohenhaus@uq.edu.au / TBA

Program Requirements: 30 days Industry Practice work experience

^c If student does not have Senior Chemistry and / or Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC10105	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC1017 OR AGRC1014	2	Agricultural Mathematics ^c OR Plant Utilisation in Natural & Agricultural Environments
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	MGTS1960	2	Business Management I
THIRD SEMESTER			FOURTH SEMESTER		
ANIM1014	2	Animal Welfare Behaviour & Handling	AGRC1014 OR Elective	2	Plant Utilisation in Natural & Agricultural Environments ^c OR Elective (from BAppSc course list)
ANIM2002	2	Animal Breeding & Genetics	ANIM3006	2	Animal Health & Epidemiology
CHEM1002 OR Elective	2	Agricultural & Environmental Chemistry I ^c OR Elective (from BAppSc course list)	CHEM1003	2	Agricultural & Environmental Chemistry II
MKTG1502	2	Agriculture & Food Industry Marketing	ENVM1512	2	Ecological Economics
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3019	2	Animal Reproduction	ANIM3040	2	Animal Nutrition
ENVM3526	2	Systems Thinking Systems Dynamics (For a Complex World)	AGRC3026	2	Comparative International Farm Systems Case Studies
FINM3960	2	Investment Project Appraisal		2	Elective (from BAppSc course list)
STAT2701	2	Biometrics I		2	Elective (from BAppSc course list)

Animal Science Major/Regional & Rural Business Management Major recommended electives

FIRST SEMESTER			SECOND SEMESTER		
LPWM3004	2	Northern & Tropical Queensland Tour	LPWM3003	4	Tropical Natural & Rural Systems Tour
MGTS2961	2	Working with Groups & Teams	LPWM3004	2	Northern & Tropical Queensland Tour

Note: Students are required to have completed #12 of late year courses (level 3 or above) in order to graduate.

Animal Science Major / Wildlife Management Major

Academic Advisors: 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

^c 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 ^c OR ENVM2504	2	Agricultural Mathematics ^c OR Regulatory Frameworks in Environmental Management
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1003	2	Animal Structure & Function	ANIM2011	2	Animal Physiology
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural & Agricultural Systems	ANIM3006	2	Animal Health & Epidemiology
ANIM1014	2	Animal Welfare Behaviour & Handling	ANIM3040	2	Animal Nutrition
ANIM2002	2	Animal Genetics & Breeding	CHEM1003	2	Agricultural & Environmental Chemistry II
CHEM1002 ^c OR STAT2701	2	Agricultural & Environmental Chemistry I ^c OR Biometrics I	ENVM2504 OR Elective	2	Regulatory Frameworks in Environmental Management ^c OR Elective (from BAppSc course list)
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	ANIM3018	2	Wildlife Technologies
STAT2701 OR Elective	2	Biometrics I OR Elective (from BAppSc course list)	ENVM3506	2	International & National Conservation Policy
	2	Elective (BAppSc course list)	LPWM3002	2	Sustainable Wildlife Use & Conservation

Note: Students are required to have completed #12 of late year courses (level 3) in order to graduate.

Conservation Management Major / Wildlife Management Major

Academic Advisor: Assoc Prof Marc Hockings, email: m.hockings@uq.edu.au / Dr Greg Baxter, email: g.baxter@uq.edu.au
 Program Requirements: 30 days Industry Practice work experience

^c 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	AGRC1017 OR Elective	2	Agricultural Mathematics ^c OR Elective (ENVM1511 from BAppSc course list is recommended)
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1014	2	Animal Welfare, Behaviour & Handling	GEOM1960	2	Introduction to Remote Sensing & GIS
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural & Agrifood Systems	ENVM2504	2	Regulatory Frameworks in Environmental Management
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		
LAND3007	2	Land Use and Management	AGRC2015 OR LPWM2007	2	Short International Experience OR Environmental Management Field Studies
	2	Elective (from BAppSc course list)	ENVM3517	2	Contemporary Protected Area Management
	2	Elective (from BAppSc course list)	ENVM3506	2	International & National Conservation Policy
	2	Elective (from BAppSc course list)	LPWM3002	2	Sustainable Wildlife Use & Conservation

Note: Students are required to have completed #12 of late year courses (level 3 or above) in order to graduate.

Plants Major / Regional and Rural Business Management Major

Academic Advisors: Dr Doug George, email: d.george@uq.edu.au or Dr Margaret Johnston, email: m.johnston@uq.edu.au
 Program Requirements: 30 days Industry Practice work experience

^c 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 OR CHEM1003	2	Agricultural Mathematics ^c OR Agricultural & Environmental Chemistry II
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1014	2	Animal Welfare Behaviour & Handling	MGTS1960	2	Business Management I
THIRD SEMESTER			FOURTH SEMESTER		
CHEM1002 ^c OR Elective	2	Agricultural & Environmental Chemistry I ^c OR Elective (from BAppSc course list)	AGRC2020	2	Agronomy
HORT2007	2	Horticultural Science	CHEM1003 OR Elective	2	Agricultural & Environmental Chemistry II ^c OR Elective (from BAppSc course list)
LAND2003	2	The Soil Environment	ENVM1512	2	Ecological Economics
MKTG1502	2	Agriculture & Food Industry Marketing	PLNT2011	2	Plant & Environmental Health
FIFTH SEMESTER			SIXTH SEMESTER		
ENVM3526	2	Systems Thinking Systems Dynamics (For a Complex World)	AGRC3002 OR AGRC3006 OR HORT3003 OR HORT3008	2	Crop Production Science OR Pasture Science OR Production Horticulture OR Lifestyle Horticulture
FINM3960	2	Investment Project Appraisal	AGRC3026	2	Comparative International Farm Systems Case Studies
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)

Plants Major/Regional & Rural Business Management Major recommended electives

FIRST SEMESTER			SECOND SEMESTER		
LPWM3004	2	Northern & Tropical Queensland Tour	LPWM3003	4	Tropical Natural & Rural Systems Tour
MGTS2961	2	Working with Groups & Teams	LPWM3004	2	Northern & Tropical Queensland Tour

Note: Students are required to have completed #12 of late year courses (level 3) in order to graduate.

Regional & Rural Business Management Major / Wildlife Management Major

Academic Advisors: TBA / Dr Greg Baxter, email: g.baxter@uq.edu.au

Program Requirements: 30 days Industry Practice work experience

^c 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 OR ENVM2504	2	AGRC1017 Agricultural Mathematics ^c OR Regulatory Framework in Environmental Management
AGRC1018	2	Introductory Biology	AGRC1019	2	Plant & Animal Biology
ANIM1014	2	Animal Welfare Behaviour & Handling	MGTS1960	2	<i>Business Management I</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 OR Elective	2	Regulatory Framework in Environmental Management ^c OR Elective (from BAppSc course list)
STAT2701	2	Biometrics I		2	Elective (from BAppSc course list)
FIFTH SEMESTER			SIXTH SEMESTER		
AGRC3025	2	Decision Support Systems for Natural & Agrifood Systems	AGRC2015 OR LPWM2007	2	Short International Experience OR Environmental Management Field Studies
ENVM3526	2	Systems Thinking Systems Dynamics (For a Complex World)	ENVM3506	2	International & National Conservation Policy
FINM3960	2	Investment Project Appraisal	LPWM3002	2	Sustainable Wildlife Use & Conservation
	2	Elective (from BAppSc course list)		2	Elective (from BAppSc course list)

Regional & Rural Business Management Major / Wildlife Management Major recommended electives

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
LPWM3004	2	Northern & Tropical Queensland Tour	LPWM3003	4	Tropical Natural & Rural Systems Tour
MGTS2961	2	Working with Groups & Teams	LPWM3004	2	Northern & Tropical Queensland Tour

Note: Students are required to have completed #12 of late year courses (level 3) in order to graduate.