

The following are suggested Major combinations only. Further combinations are available – please check with your Academic Advisor.

R = Residential School Y = First year available externally Vol = Voluntary TBA = To be advised

To choose an elective, students should consult the full program lists on the web at <http://www.uq.edu.au/study/>
Some courses may have Residential School requirements.

Bachelor of Applied Science – External – Single Major combinations

QTAC Code: 780169 (Gatton) Program Code: 2240

Animal & Plant Biosecurity Major / Animal Science Major

Academic Advisor: Assoc Prof Victor Galea, email: v.galea@uq.edu.au and
Dr Mark Hohenhaus, email: m.hohenhaus@uq.edu.au / Dr John Gaughan, email: j.gaughan@uq.edu.au
Program Requirements: 30 days Industry Practice work experience

^C If student does not have Year 12 Chemistry and / or Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

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

2011 FIRST SEMESTER			2011 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments OR AGRC1017 ^C Agricultural Mathematics ^C
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
ANIM1003	2	Animal Structure & Function (R)	ANIM2011	2	Animal Physiology (R)
CHEM1002 ^C OR Elective	2	Agricultural & Environmental Chemistry I (R) ^C OR Elective (from BAppSc course list)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1014 ^C OR Elective	2	Plant Utilisation in Natural & Agricultural Environments ^C OR Elective (from BAppSc course list)
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	ANIM3040	2	Animal Nutrition (R)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
ANIM2002	2	Animal Breeding & Genetics (R)	AGRC2013	2	Agricultural Microbiology & Gene Technology (R)
	2	Elective (from BAppSc course list)	PLNT2011	2	Plant & Environmental Health (R)
2015 FIRST SEMESTER			2015 SECOND SEMESTER		
ANIM3019	2	Animal Reproduction (R)	ANIM3006	2	Animal Health & Epidemiology (R)
	2	Elective (from Animal & Plant Biosecurity Major elective list)	STAT2701	2	Biometrics I (R)
2016 FIRST SEMESTER			2016 SECOND SEMESTER		
	2	Elective (from BAppSc course list)	ANIM2040	2	Animal Biosecurity (R)
	2	Elective (from BAppSc course list)	PLNT3009	2	Plant Protection (R)

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

FIRST SEMESTER			SECOND SEMESTER		
MGTS2961	2	Working with Groups & Teams	ANIM3011	2	Animal Production & Product Quality (R)
			PLNT3012	2	Weed Science

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Animal & Plant Biosecurity Major / Plants Major

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

Program Requirements: 30 days Industry Practice work experience

^C If student does not have Year 12 Chemistry and / or Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

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

2011 FIRST SEMESTER			2011 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014 OR AGRC1017 ^C	2 2	Plant Utilisation in Natural & Agricultural Environments OR Agricultural Mathematics ^C
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1014 ^C OR Elective	2 2	Plant Utilisation in Natural & Agricultural Environments ^C OR Elective (from BAppSc course list)
CHEM1002 ^C OR Elective	2 2	Agricultural & Environmental Chemistry I (R) ^C OR Elective (from BAppSc course list)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	AGRC2013	2	Agricultural Microbiology & Gene Technology (R)
HORT2007	2	Horticultural Science (R)	PLNT2011	2	Plant & Environmental Health (R)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
	2	Elective (from BAppSc course list)	ANIM3006	2	Animal Health & Epidemiology (R)
	2	Elective (from BAppSc course list)	STAT2701	2	Biometrics I (R)
2015 FIRST SEMESTER			2015 SECOND SEMESTER		
LAND2003	2	The Soil Environment	AGRC2020	2	Agronomy (R)
	2	Elective (from BAppSc course list)	AGRC3002 OR AGRC3006 OR HORT3003 OR HORT3008	2 2 2 2	Crop Production Science OR Pasture Science OR Production Horticulture (R) OR Lifestyle Horticulture (R)
2016 FIRST SEMESTER			2016 SECOND SEMESTER		
LAND3005 OR LAND3007	2	Soil Plant Relationships (R-TBA) OR Land Use & Management (R)	ANIM2040	2	Animal Biosecurity (R)
	2	Elective (from Animal & Plant Biosecurity Major elective list)	PLNT3009	2	Plant Protection (R)

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

FIRST SEMESTER			SECOND SEMESTER		
MGTS2961	2	Working with Groups & Teams	ANIM3011	2	Animal Production & Product Quality (R)
PLNT3012	2	Weed Science			

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Some courses may have Residential School requirements.

Animal Science Major / Regional & Rural Business Management Major

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

Program Requirements: 30 days Industry Practice work experience

^C If student does not have Year 12 Chemistry and / or Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

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

2011 FIRST SEMESTER			2011 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems(R)	AGRC1019	2	Plant & Animal Biology (R)
AGRC1018	2	Introductory Biology (R)	AGRC1017 ^C OR MGTS1960	2	Agricultural Mathematics ^C OR Business Management I
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
ANIM1003	2	Animal Structure & Function (R)	ANIM2011	2	Animal Physiology (R)
CHEM1002 ^C OR Elective	2	Agricultural & Environmental Chemistry I (R) ^C OR Elective (from BAppSc course list)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1014	2	Plant Utilisation in Natural & Agricultural Environments
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	MGTS1960 ^C OR Elective	2	Business Management I ^C OR Elective (from BAppSc course list)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
ANIM2002	2	Animal Breeding & Genetics (R)	ENVM1512	2	Ecological Economics
MKTG1502	2	Agriculture & Food Industry Marketing (Remote)	STAT2701	2	Biometrics I (R)
2015 FIRST SEMESTER			2015 SECOND SEMESTER		
ANIM3019	2	Animal Reproduction (R)	ANIM3006	2	Animal Health & Epidemiology (R)
FINM3960	2	Investment Project Appraisal	ANIM3040	2	Animal Nutrition (R)
2016 FIRST SEMESTER			2016 SECOND SEMESTER		
ENVM3526	2	Systems Thinking Systems Dynamics (for a Complex World) (Remote)	AGRC3026	2	Comparative International Farm Systems Case Studies
	2	Elective (from BAppSc course list)		2	Elective (from BAppSc course list)

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Some courses may have Residential School requirements.

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

^C If student does not have Year 12 Chemistry and / or Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

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

2011 FIRST SEMESTER			2011 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014 OR AGRC1017 ^C	2 2	Plant Utilisation in Natural & Agricultural Environments OR Agricultural Mathematic ^C
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
ANIM1003	2	Animal Structure & Function (R)	ANIM2011	2	Animal Physiology (R)
CHEM1002 ^C OR Elective	2 2	Agricultural & Environmental Chemistry I (R) ^C OR Elective (from BAppSc course list)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1014 ^C OR Elective	2 2	Plant Utilisation in Natural & Agricultural Environments ^C OR Elective (from BAppSc course list)
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	ENVM2504	2	Regulatory Frameworks in Environmental Management
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
	2	Elective (from Wildlife Management Major elective list)	ANIM3040	2	Animal Nutrition (R)
	2	Elective (from Wildlife Management Major elective list)		2	Elective (from Wildlife Management Major elective list)
2015 FIRST SEMESTER			2015 SECOND SEMESTER		
ANIM2002	2	Animal Breeding & Genetics (R)	ANIM3006	2	Animal Health & Epidemiology (R)
	2	Elective (from BAppSc course list)	STAT2701	2	Biometrics I (R)
2016 FIRST SEMESTER			2016 SECOND SEMESTER		
ANIM3019	2	Animal Reproduction (R)		2	Elective (from Wildlife Management Major elective list)
	2	Elective (from Wildlife Management Major elective list)		2	Elective (from Wildlife Management Major elective list)

Wildlife Management Major electives (at least #12 (6 courses) to be selected from following):

FIRST SEMESTER			SECOND SEMESTER		
AGRC2019	2	Ecology of Natural & Agricultural Systems (R)	AGRC2015 OR LPWM2007	2 2	Short International Experience ¹ OR Environmental Management Field Studies (R)
ANIM2005	2	Australian Terrestrial Vertebrates (R)	ANIM3018	2	Wildlife Technologies
LPWM2003	2	Principles of Wildlife Management	ENVM3506	2	International & National Conservation Policy
			LPWM3002	2	Sustainable Wildlife Use & Conservation

¹ Participating in AGRC2015 will require attendance at Gatton campus at pre and post tour meetings. These may involve 4 meetings of one hour's duration, which will normally be held after 5pm. For further information contact Assoc Prof Peter Murray, email: peter.murray@uq.edu.au

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Conservation Management Major / Wildlife Management Major

Academic Advisor: Assoc Prof Marc Hockings, email:m.hockings@uq.edu.au

Program Requirements: 30 days Industry Practice work experience

^C If student does not have Year 12 Chemistry and / or Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

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

2011 FIRST SEMESTER			2011 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)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1017 ^C OR Elective	2	Agricultural Mathematics ^C OR Elective (from BAppSc course list)
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	ENVM2504	2	Regulatory Frameworks in Environmental Management
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
	2	Elective (from the Wildlife Management elective course list)	AGRC2014	2	Problem Solving in Natural & Agrifood Systems (R)
	2	Elective (from BAppSc course list)	ENVM2512	2	Fire Management (R)
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
	2	Elective (from the Wildlife Management elective course list)		2	Elective (from the Wildlife Management elective course list)
	2	Elective (from the Wildlife Management elective course list)	STAT2701	2	Biometrics I (R)
2015 FIRST SEMESTER			2015 SECOND SEMESTER		
LAND3007	2	Land Use & Management (R)	ENVM3517	2	Contemporary Protected Area Management
	2	Elective (from BAppSc course list)		2	Elective (from the Wildlife Management elective course list)
2016 FIRST SEMESTER			2016 SECOND SEMESTER		
	2	Elective (from BAppSc course list)		2	Elective (from the Wildlife Management elective course list)
	2	Elective (from BAppSc course list)		2	Elective (from BAppSc course list)

Wildlife Management Major electives (at least #12 (6 courses) to be selected from following):

FIRST SEMESTER			SECOND SEMESTER		
AGRC2019	2	Ecology of Natural & Agricultural Systems (R)	AGRC2015 OR LPWM2007	2	Short International Experience ¹ OR Environmental Management Field Studies (R)
ANIM2005	2	Australian Terrestrial Vertebrates (R)	ANIM3018	2	Wildlife Technologies
LPWM2003	2	Principles of Wildlife Management	ENVM3506	2	International & National Conservation Policy
			LPWM3002	2	Sustainable Wildlife Use & Conservation

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Plants Major / Regional and Rural Business Management Major

Academic Advisor: Dr Doug George, email: d.george@uq.edu.au or Dr Margaret Johnston, email: m.johnston@uq.edu.au
TBA

Program Requirements: 30 days Industry Practice work experience

^C If student does not have Year 12 Chemistry and / or Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

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

2011 FIRST SEMESTER			2011 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014 OR AGRC1017 ^C	2 2	Plant Utilisation in Natural & Agricultural Environments OR Agricultural Mathematics ^C
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	CHEM1003	2	Agricultural & Environmental Chemistry II (R)
CHEM1002 ^C OR ANIM1014	2	Agricultural & Environmental Chemistry I (R) ^C OR Animal Welfare, Behaviour & Handling (R)	AGRC1014 ^C OR Elective	2 2	Plant Utilisation in Natural & Agricultural Environments ^C OR Elective (from BAppSc course list)
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
ANIM1014 ^C OR Elective	2	Animal Welfare, Behaviour & Handling (R) ^C OR Elective (from BAppSc course list)	MGTS1960	2	Business Management I
MKTG1502	2	Agriculture & Food Industry Marketing (Remote)	ENVM1512	2	Ecological Economics
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
FINM3960	2	Investment Project Appraisal	AGRC2020	2	Agronomy (R)
HORT2007	2	Horticultural Science (R)	AGRC3026	2	Comparative International Farm Systems & Case Studies
2015 FIRST SEMESTER			2015 SECOND SEMESTER		
ENVM3526	2	Systems Thinking Systems Dynamics (for a Complex World) (Remote)	STAT2701	2	Biometrics I (R)
LAND2003	2	The Soil Environment		2	Elective (from BAppSc course list)
2016 FIRST SEMESTER			2016 SECOND SEMESTER		
LAND3005 OR LAND3007	2	Soil Plant Relationships OR Land Use & Management	AGRC3002 OR AGRC3006 OR HORT3003 OR HORT3008	2 2 2 2	Crop Production Science OR Pasture Science OR Production Horticulture (R) OR Lifestyle Horticulture (R)
	2	Elective (from BAppSc course list)	PLNT2011	2	Plant & Environmental Health (R)

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Some courses may have Residential School requirements.

Regional & Rural Business Management Major / Wildlife Management Major

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

^C If student does not have Year 12 Chemistry and / or Mathematics B

AGRC1017 Agricultural Mathematics = Year 12 Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

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

2011 FIRST SEMESTER			2011 SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems (R)	AGRC1014 OR AGRC1017 ^C	2 2	Plant Utilisation in Natural & Agricultural Environments OR Agricultural Mathematics ^C
AGRC1018	2	Introductory Biology (R)	AGRC1019	2	Plant & Animal Biology (R)
2012 FIRST SEMESTER			2012 SECOND SEMESTER		
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries (R)	AGRC1014 ^C OR Elective	2 2	Plant Utilisation in Natural & Agricultural Environments ^C OR Elective (from BAppSc course list)
ANIM1014	2	Animal Welfare, Behaviour & Handling (R)	MGTS1960	2	Business Management I
2013 FIRST SEMESTER			2013 SECOND SEMESTER		
MKTG1502	2	Agriculture & Food Industry Marketing (Remote)	ENVM1512	2	Ecological Economics
	2	Elective (from Wildlife Management Major elective list)	ENVM2504	2	Regulatory Framework in Environmental Management
2014 FIRST SEMESTER			2014 SECOND SEMESTER		
FINM3960	2	Investment Project Appraisal		2	Elective (from Wildlife Management Major elective list)
	2	Elective (from Wildlife Management Major elective list)		2	Elective (from BAppSc course list)
2015 FIRST SEMESTER			2015 SECOND SEMESTER		
AGRC3025 OR AGRC3026	2 2	Decision Support Systems for Natural & Agrifood Systems OR Comparative International Farm Systems Case Studies (only offered in semester 2)	STAT2701	2	Biometrics I (R)
	2	Elective (from BAppSc course list)		2	Elective (from Wildlife Management Major elective list)
2016 FIRST SEMESTER			2016 SECOND SEMESTER		
ENVM3526	2	Systems Thinking Systems Dynamics (For a Complex World) (Remote)		2	Elective (from Wildlife Management Major elective list)
	2	Elective (from Wildlife Management elective course list)		2	Elective (from BAppSc course list)

Wildlife Management Major electives (at least #12 (6 courses) to be selected from following):

FIRST SEMESTER			SECOND SEMESTER		
AGRC2019	2	Ecology of Natural & Agricultural Systems (R)	AGRC2015 OR LPWM2007	2 2	Short International Experience ¹ OR Environmental Management Field Studies (R)
ANIM2005	2	Australian Terrestrial Vertebrates (R)	ANIM3018	2	Wildlife Technologies
LPWM2003	2	Principles of Wildlife Management	ENVM3506	2	International & National Conservation Policy
			LPWM3002	2	Sustainable Wildlife Use & Conservation

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