

**= Core Courses**      Plain = Extended Major

## THREE-YEAR DEGREE PROGRAMS

### Bachelor of Agribusiness

**QTAC Code: 766001 or 766006 Program Code: 2007**

Academic Advisor:      Assoc Prof Tony Dunne, Email: t.dunne@uq.edu.au

Program Requirements:      • 30 days Industry Practice work experience

#### Part A Courses

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
ACCT1101	2	Accounting for Decision Making	ACCT2102	2	Fundamentals of Cost Accounting
AGRC1012	2	Food and Fibre Case Studies I	AGRC1016	2	Food and Fibre in the E-Landscape
AGRC1015	2	Knowledge Management in Natural & Agrifood Systems	ECON1020	2	Introductory Macroeconomics
	2	Elective (from Part B)	LAWS1100	2	Business Law
THIRD SEMESTER			FOURTH SEMESTER		
ECON1310	2	Quantitative Economic & Business Analysis A	AGRC2000	2	Food and Fibre Case Studies II
MGTS2604	2	Introduction to Human Resource Management	FINM3960	2	Investment Project Appraisal
MKTG2960	2	Agriculture & Food Industry Marketing	IBUS3960	2	Export Practices & Procedures
	2	Elective (from Part B)		2	Elective (from Part B)
FIFTH SEMESTER			SIXTH SEMESTER		
MGTS3961	2	Group Dynamics, Negotiation and Adult Learning	AGRC3000	4	Food and Fibre Case Studies III
MGTS3968	2	Food Systems & Supply Chains	AGRC3023	2	Agrifood Strategy and Competitiveness
MKTG3960	2	Applied Market Research		2	Elective (from Part B)
MKTG3962	2	Agribusiness Sales			

#### Part B Courses

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	Systems Thinking & Practice for Environmental & Agrifood Industries	AGRC2014	2	Problem Solving in Natural and Agrifood Systems
AGRC3025	2	Decision Support Systems for Natural and Agrifood Systems	AGRC3027	2	Agricultural and Resource Policy
ECON1010	2	Introductory Microeconomics	ENVM2522	2	Environmental Markets
ENVM1501	2	Introduction to Environmental Management	ENVM2523	2	Systems Thinking in Business, Community and Natural Environments
FOOD3017	2	Food Safety and Quality Management	ENVM3524	2	Crop Business Management in a Carbon Constrained World
MKTG1501	2	Introduction to Marketing	ENVM3525	2	Sustainable Business Practice
MKTG2501	2	Introduction to Consumer Behaviour	FOOD1000	2	Commodity Processing
SOCY2901	2	Firms, Communities and Social Responsibility	FOOD2007	2	Innovation Management In the Food Industry
			FOOD3021	2	Food Service and Retail Management
			MGTS3967	2	Management and Reporting of Sustainability
			MKTG3961	2	Commodities, futures & Options

Up to two courses (#4) may be selected from other University of Queensland bachelor degree courses outside Part B, without the consent of the Executive Dean. Any further courses chosen from outside Part B must have the approval of the Executive Dean

**Bold** = Core Courses      Plain = Extended Major

## Bachelor of Applied Science – EXTENDED MAJORS

**QTAC Code for all: 703031 or 703036 (St Lucia) or 780169 or 780166 (Gatton)**

**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

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

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	<b>2</b>	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	<b>2</b>	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	<b>2</b>	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	<b>2</b>	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	<b>2</b>	<b>Introductory Biology</b>	ANIM1003	2	Animal Structure & Function
<b>ANIM1014</b>	<b>2</b>	<b>Animal Welfare, Behaviour and Handling</b>	<b>CHEM1003</b>	<b>2</b>	<b>Agricultural &amp; Environmental Chemistry II</b>
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2001	2	Agricultural Biochemistry	ANIM2039	2	Equine Stud Management
ANIM1006	2	Equine Husbandry & Equitation I	ANIM3040	2	Animal Nutrition
ANIM2011	2	Animal Physiology	MGTS1960	2	Business Management
<b>STAT2701</b>	<b>2</b>	<b>Biometrics I</b>		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		
Code	#	Title	Code	#	Title
ANIM2006	2	Equine Coach Education	AGRC1016	2	Food & Fibre in the E-Landscape
ANIM2024	2	Horse Handling & Training	AGRC2013	2	Agricultural Microbiology and Gene Technology
MGTS2604	2	Introduction to Human Resource Management	AGRC3006	2	Pasture Science
MKTG2960	2	Agriculture & Food Industry Marketing	ANIM1966	2	Equine Husbandry & Equitation II
ANIM2006	2	Equine Coach Education	ANIM3029	2	Productivity in Animal Enterprise

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

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	<b>2</b>	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	<b>2</b>	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	<b>2</b>	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	<b>2</b>	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	<b>2</b>	<b>Introductory Biology</b>	ANIM1003	2	Animal Structure & Function
CHEM1002	2	Agricultural & Environmental Chemistry I	<b>CHEM1003</b>	<b>2</b>	<b>Agricultural &amp; Environmental Chemistry II</b>

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THIRD SEMESTER			FOURTH SEMESTER		
AGRC2001	2	Agricultural Biochemistry	AGRC1017	2	Agricultural Mathematics
<b>ANIM1014</b>	<b>2</b>	<b>Animal Welfare, Behaviour and Handling</b>	ANIM3040	2	Animal Nutrition
ANIM1006	2	Equine Husbandry & Equitation I	MGTS1960	2	Business Management
ANIM2011	2	Animal Physiology		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
<b>STAT2701</b>	<b>2</b>	<b>Biometrics I</b>		2	Elective (from BAppSc list)

#### Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
ANIM2006	2	Equestrian Coach Education	AGRC1016	2	Food & Fibre in the E-Landscape
ANIM2024	2	Equine Handling & Training	AGRC2013	2	Agricultural Microbiology and Gene Technology
MGTS2604	2	Introduction to Human Resource Management	AGRC3006	2	Pasture Science
MKTG2960	2	Agriculture & Food Industry Marketing	ANIM2042	2	Equine Husbandry & Equitation II
ANIM2006	2	Equestrian Coach Education	ANIM3029	2	Productivity in Animal Enterprise

### Food Science and Nutrition Extended Major (Food Science Option)

Academic Advisor: Dr Bruce D'Arcy E-mail b.darcy@uq.edu.au  
 Program Requirements: • 30 days Industry Practice work experience

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	<b>2</b>	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>BIOL1040</b>	<b>2</b>	<b>Cells to Organisms</b>
<b>BIOL1020</b>	<b>2</b>	<b>Genes Cells &amp; Evolution</b>	CHEM1020	2	<b>Chemical Energetics &amp; Reactivity</b>
<b>CHEM1030</b>	<b>2</b>	<b>Chemical Structure &amp; Reactions</b>		2	Elective
FOOD2006	2	Principles of Food Preservation		2	Elective
THIRD SEMESTER			FOURTH SEMESTER		
NUTR2002	2	Principles of Human Nutrition	<b>FOOD3006</b>	<b>2</b>	<b>Food Science</b>
<b>STAT2701</b>	<b>2</b>	<b>Biometrics I</b>	FOOD3018	2	Food Chemistry
	2	Elective	MICR3861	2	Food Microbiology I
	2	Elective	NUTR2003	2	Nutrition in the Lifespan
FIFTH SEMESTER			SIXTH SEMESTER		
FOOD3007	2	Food Structure and Sensory Science	<b>AGRC2014</b>	<b>2</b>	<b>Problem Solving in Natural &amp; Agrifood Systems</b>
FOOD3015	2	Chemical Food Analysis	BIOC2014	2	Cellular Biochemistry in Health & Disease
FOOD3017	2	Food Safety and Quality Management	FOOD3011	2	Food Product Development
MICR3860	2	Food Microbiology II	NUTR3001	2	Nutrition in Health & Disease

**Bold** = Core Courses      Plain = Extended Major

## Food Science and Nutrition Extended Major (Nutrition Science Option)

Academic Advisor: Dr Bruce D'Arcy E-mail: b.darcy@uq.edu.au

Program Requirements: • 30 days Industry Practice work experience

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>BIOL1040</b>	2	<b>Cells to Organisms</b>
<b>BIOL1020</b>	2	<b>Genes Cells &amp; Evolution</b>	<b>CHEM1020</b>	2	<b>Chemical Energetics &amp; Reactivity</b>
<b>CHEM1030</b>	2	<b>Chemical Structure &amp; Reactions</b>		2	Elective
<b>FOOD2006</b>	2	Principles of Food Preservation		2	Elective
THIRD SEMESTER			FOURTH SEMESTER		
<b>NUTR2002</b>	2	Principles of Human Nutrition	<b>FOOD3006</b>	2	<b>Food Science</b>
<b>STAT2701</b>	2	<b>Biometrics I</b>	<b>FOOD3018</b>	2	Food Chemistry
	2	Elective	<b>MICR3861</b>	2	Food Microbiology I
	2	Elective	<b>NUTR2003</b>	2	Nutrition in the Lifespan
FIFTH SEMESTER			SIXTH SEMESTER		
	2	Elective (Nutrition Science Option)	<b>AGRC2014</b>	2	<b>Problem Solving in Natural &amp; Agrifood Systems</b>
	2	Elective (Nutrition Science Option)	<b>BIOC2014</b>	2	Cellular Biochemistry in Health & Disease
	2	Elective (Nutrition Science Option)	<b>NUTR2003</b>	2	Nutrition in Health & Disease
	2	Elective (Nutrition Science Option)		2	Elective (Nutrition Science Option)

And #10 from:

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>BIOC2012</b>	2	Biochemistry: Molecular Components of Cells	<b>BIOM2008</b>	2	Integrative Physiology
<b>BIOM2007</b>	2	Human Physiology			
<b>HPRM3000</b>	2	Health Promotion: Perspectives and Practice			
<b>PUBH1102</b>	2	Introduction to Population Health			
<b>NUTR3002</b>	2	Nutrition, Food and Society			

And #8 Electives

## 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
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>BIOL1016</b> <b>OR</b> <b>GEOS1100</b>	2	Ecology and Environment <b>OR</b> Environment and Society
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>			
<b>BIOL1030</b>	2	<b>Biodiversity and Our Environment</b>	<b>ENVM1512</b>	2	<b>Agricultural and Ecological Economics</b>
<b>FRST1001</b>	2	Tropical Systems in the Asia Pacific	<b>ENVM2503</b>	2	Environment and Community
			<b>GEOM1000</b>	2	Geographical Information and Analysis
THIRD SEMESTER			FOURTH SEMESTER		
<b>ENVM2200</b>	2	<b>Resource Management and Environmental Planning</b>	<b>AGRC2014</b>	2	<b>Problem Solving in Natural &amp; Agrifood Systems</b>
<b>ENVM3103</b>	2	<b>Regulatory Frameworks in Environmental Management and Planning</b>	<b>ENVM2521</b> <b>OR</b> <b>FRST3004</b>	2	Research, Development and Extension Practice <b>OR</b> Asia/Pacific Tropical Forest Management and Extension Tour
<b>STAT2701</b>	2	<b>Biometrics I</b>			
	2	Elective(from BAppSc course list)	<b>ENVM3518</b>	2	Environment and Development
				2	Elective(from BAppSc course list)

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FIFTH SEMESTER			SIXTH SEMESTER		
AGRC3021	2	Prediction in Natural and Agrifood Systems	AGRC3027	2	Agricultural and Resource Policy
AGRC3025	2	Decision Support Systems for Natural and Agrifood Systems	SOCY2020	2	Sociology of the Environment
ENVM3523	2	Natural Resource Management		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/index\\_Integrated\\_Resource\\_Management.asp](http://www.nrsm.uq.edu.au/Programs/index_Integrated_Resource_Management.asp)

## Parks and Wildlife Management Extended Major

Academic Advisor: Dr Manda Page, Email: [m.page@uq.edu.au](mailto:m.page@uq.edu.au)

Program Requirements: • 30 days Industry Practice work experience

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

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	2	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	2	<b>Introductory Biology</b>	GEOM1960	2	Introduction to Remote Sensing and GIS
<b>ANIM1014</b>	2	<b>Animal Welfare, Behaviour and Handling</b>	LAND2001	2	Land Resources and Landscape Processes
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural and Agricultural Systems	<b>ENVM2504</b>	2	<b>Regulatory Frameworks in Environmental Management</b>
ENVM2519	2	National Park Management	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
<b>STAT2701</b>	2	<b>Biometrics I</b>	ENVM2512	2	Fire Management
LPWM2008	2	Cultural Heritage Management		2	Elective (from BAppSc list)
FIFTH SEMESTER			SIXTH SEMESTER		
ENVM3508	2	Public Sector Management and Conservation Planning	ANIM3018	2	Wildlife Technologies
ENVM3519	2	Visitors in Sensitive Environments	ENVM3517	2	Contemporary Protected Area Management
LPWM2003	2	Principles of Wildlife Management		2	Elective
	2	Elective (from BAppSc list)		2	Elective

### Suggested Electives (from BAppSci course list)

FIRST SEMESTER			SECOND SEMESTER		
LPWM3002	2	Sustainable Wildlife Use and Conservation	ENVM1511	2	Principles and Practices of Interpretation
			ENVM3506	2	International and National Conservation Policy
			ENVM3520	2	Environmental Restoration
			LPWM2007	2	Environmental Management Field Studies

**Bold** = Core Courses      Plain = Extended Major

## Parks and Wildlife Management Extended Major

Academic Advisor: Dr Manda Page, Email: m.page@uq.edu.au  
 Program Requirements: • 30 days Industry Practice work experience

### Recommended Program for students without Mathematics B

AGRC1017 Agricultural Mathematics = Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	2	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	2	<b>Introductory Biology</b>	GEOM1960	2	Introduction to Remote Sensing and GIS
<b>ANIM1014</b>	2	<b>Animal Welfare, Behaviour and Handling</b>	LAND2001	2	Land Resources and Landscape Processes
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural and Agricultural Systems	<b>ENVM2504</b>	2	<b>Regulatory Frameworks in Environmental Management</b>
ENVM2519	2	National Park Management	AGRC2014	2	Problem Solving in Natural & Agrifood Systems
LPWM2008	2	Cultural Heritage Management	ENVM2512	2	Fire Management
	2	Elective	AGRC1017	2	Agricultural Mathematics
FIFTH SEMESTER			SIXTH SEMESTER		
ENVM3508	2	Public Sector Management and Conservation Planning	ANIM3018	2	Wildlife Technologies
ENVM3519	2	Visitors in Sensitive Environments	ENVM3517	2	Contemporary Protected Area Management
LPWM2003	2	Principles of Wildlife Management		2	Elective
<b>STAT2701</b>	2	<b>Biometrics I</b>		2	Elective

### Suggested Electives (from BAppSci course list)

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
A LPWM3002	2	A Sustainable Wildlife Use and Conservation	ENVM1511	2	Principles and Practices of Interpretation
			ENVM3506	2	International and National Conservation Policy
			ENVM3520	2	Environmental Restoration
			LPWM2007	2	Environmental Management Field Studies

## 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 with Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	2	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	2	<b>Introductory Biology</b>	<b>CHEM1003</b>	2	<b>Agricultural &amp; Environmental Chemistry II</b>
<b>ANIM1014</b>	2	<b>Animal Welfare, Behaviour and Handling</b>	MGTS1960	2	Business Management
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2009	2	Plant Production Technology	AGRC2013 OR GNET2001	2	Agricultural Microbiology & Gene Technology OR Agricultural Genetics & Biotechnology
LAND2003	2	The Soil Environment	AGRC2020	2	Agronomy
HORT2007	2	Horticultural Science	PLNT2002	2	Plant Physiology
<b>STAT2701</b>	2	<b>Biometrics I</b>	PLNT2011	2	Plant & Environmental Health

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FIFTH SEMESTER			SIXTH SEMESTER		
Code	#	Title	Code	#	Title
LAND3005	2	Soil-Plant Relationships	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	
LAND3007	2	Land Use & Management		2	Elective
	2	Elective *		2	Elective
	2	Elective *			

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

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

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
AGRC1010	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	AGRC1014	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
AGRC1015	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	AGRC1019	2	<b>Plant and Animal Biology</b>
AGRC1018	2	<b>Introductory Biology</b>	AGRC1017	2	Agricultural Mathematics <sup>2</sup>
CHEM1002	2	Agricultural and Environmental Chemistry I <sup>1</sup>	CHEM1003	2	<b>Agricultural &amp; Environmental Chemistry II</b>
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2009	2	Plant Production Technology	AGRC2020	2	Agronomy
HORT2007	2	Horticultural Science	MGTS1960	2	Business Management
LAND2003	2	The Soil Environment	PLNT2002	2	Plant Physiology
STAT2701	2	<b>Biometrics I</b>	PLNT2011	2	Plant & Environmental Health
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM1014	2	<b>Animal Welfare, Behaviour &amp; Handling</b>	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
			<b>OR</b>		<b>OR</b>
			GNET2001	2	Agricultural Genetics & Biotechnology
LAND3007	2	Land Use & Management		2	Elective
	2	Elective			

<sup>1</sup> If required, otherwise substitute ANIM1014 Animal Welfare, Behaviour & Handling

<sup>2</sup> If required, otherwise substitute MGTS1960 Business Management

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## 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 with Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	2	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	2	<b>Introductory Biology</b>	ANIM1003	2	Animal Structure & Function
<b>ANIM1014</b>	2	<b>Animal Welfare, Behaviour and Handling</b>	<b>CHEM1003</b>	2	<b>Agricultural &amp; Environmental Chemistry II</b>
THIRD SEMESTER			FOURTH SEMESTER		
<b>AGRC2001</b>	2	<b>Agricultural Biochemistry</b>	ANIM2021	2	Animal Biometeorology
<b>ANIM2002</b>	2	<b>Animal Breeding &amp; Genetics</b>	ANIM3040	2	Animal Nutrition
<b>ANIM2011</b>	2	<b>Animal Physiology</b>	MGTS1960	2	Business Management
<b>STAT2701</b>	2	<b>Biometrics I</b>		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
	2	Elective (from BAppSc list)	ANIM3012	2	Extensive Animal Production
	2	Elective		2	Elective

### Recommended Electives

ANIM2041	2	Animal Management I	AGRC1016	2	Food & Fibre in the E- Landscape
ANIM3007	2	Animal Nutrition Systems	AGRC2013	2	Agricultural Microbiology and Gene Technology
MKTG2960	2	Agriculture & Food Industry Marketing	AGRC3006	2	Pasture Science
MGTS3961	2	Group Dynamics, Negotiation & Adult Learning	ANIM2040	2	Animal Biosecurity
			ANIM3029	2	Productivity in Animal Enterprise
			LAND3004	2	Rangeland Management

### Recommended Program for students without Year 12 Chemistry and Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	2	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	2	<b>Introductory Biology</b>	ANIM1003	2	Animal Structure & Function
CHEM1002	2	Agricultural and Environmental Chemistry I	<b>CHEM1003</b>	2	<b>Agricultural &amp; Environmental Chemistry II</b>
THIRD SEMESTER			FOURTH SEMESTER		
<b>AGRC2001</b>	2	<b>Agricultural Biochemistry</b>	AGRC1017	2	Agricultural Mathematics
<b>ANIM1014</b>	2	<b>Animal Welfare, Behaviour and Handling</b>	ANIM2021	2	Animal Biometeorology
ANIM2002	2	Animal Breeding & Genetics	ANIM3040	2	Animal Nutrition
ANIM2011	2	Animal Physiology	MGTS1960	2	Business Management
FIFTH SEMESTER			SIXTH SEMESTER		
ANIM3013	2	Intensive Animal Production	ANIM3006	2	Animal Health & Epidemiology
ANIM3019	2	Animal Reproduction	ANIM3011	2	Animal Production & Product Quality
<b>STAT2701</b>	2	<b>Biometrics I</b>	ANIM3012	2	Extensive Animal Production
	2	Elective		2	Elective



**Bold** = Core Courses      Plain = Extended Major

### Recommended Electives

FIRST SEMESTER			SECOND SEMESTER		
ANIM2041	2	Animal Management I	AGRC1016	2	Food & Fibre in the E- Landscape
ANIM3007	2	Animal Nutrition Systems	AGRC2013	2	Agricultural Microbiology and Gene Technology
MKTG2960	2	Agriculture & Food Industry Marketing	AGRC3006	2	Pasture Science
MGTS3961	2	Group Dynamics, Negotiation & Adult Learning	ANIM2040	2	Animal Biosecurity
			ANIM3029	2	Productivity in Animal Enterprise
			LAND3004	2	Rangeland Management

## Veterinary Technology Extended Major

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

Program Requirements: • 30 days Industry Practice work experience

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

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	2	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	2	<b>Introductory Biology</b>	ANIM1003	2	Animal Structure & Function
<b>ANIM1014</b>	2	<b>Animal Welfare, Behaviour and Handling</b>	<b>CHEM1003</b>	2	<b>Agricultural &amp; Environmental Chemistry II</b>
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2001	2	Agricultural Biochemistry	ANIM3006	2	Animal Health & Epidemiology
ANIM2002	2	Animal Breeding & Genetics	ANIM3040	2	Animal Nutrition
ANIM2011	2	Animal Physiology		2	Elective (from BAppSc list)
<b>STAT2701</b>	2	<b>Biometrics I</b>		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		
ANIM2024	2	Horse Handling & Training	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
			VETS2001	2	Animal Health Technology

### Recommended Program for students without Year 12 Chemistry and Mathematics B

CHEM1002 Agricultural & Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	2	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	2	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	2	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	2	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	2	<b>Introductory Biology</b>	ANIM1003	2	Animal Structure & Function
CHEM1002	2	Agricultural & Environmental Chemistry I	<b>CHEM1003</b>	2	<b>Agricultural &amp; Environmental Chemistry II</b>

**Bold** = Core Courses      Plain = Extended Major

THIRD SEMESTER			FOURTH SEMESTER		
AGRC2001	2	Agricultural Biochemistry	AGRC1017	2	Agricultural Mathematics
<b>ANIM1014</b>	<b>2</b>	<b>Animal Welfare, Behaviour and Handling</b>	ANIM3006	2	Animal Health & Epidemiology
ANIM2002	2	Animal Breeding & Genetics	ANIM3040	2	Animal Nutrition
ANIM2011	2	Animal Physiology		2	Elective
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
<b>STAT2701</b>	<b>2</b>	<b>Biometrics I</b>			

#### Recommended Electives

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

## 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 with Year 12 Chemistry and Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	<b>2</b>	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	<b>2</b>	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	<b>2</b>	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	<b>2</b>	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	<b>2</b>	<b>Introductory Biology</b>	ANIM1003	2	Animal Structure & Function
<b>ANIM1014</b>	<b>2</b>	<b>Animal Welfare, Behaviour and Handling</b>	<b>CHEM1003</b>	<b>2</b>	<b>Agricultural &amp; Environmental Chemistry II</b>
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural and Agricultural Systems	ANIM3006	2	Animal Health & Epidemiology
ANIM2005	2	Australian Terrestrial Vertebrates	ANIM3018	2	Wildlife Technologies
ANIM2011	2	Animal Physiology		2	Elective (from BAppSc list)
<b>STAT2701</b>	<b>2</b>	<b>Biometrics I</b>		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		2	Elective

#### Recommended Electives

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

**Bold** = Core Courses      Plain = Extended Major

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

CHEM1002 Agricultural &amp; Environmental Chemistry I = Year 12 Chemistry

AGRC1017 Agricultural Mathematics = Mathematics B

FIRST SEMESTER			SECOND SEMESTER		
Code	#	Title	Code	#	Title
<b>AGRC1010</b>	<b>2</b>	<b>Systems Thinking &amp; Practice for Environmental &amp; Agrifood Industries</b>	<b>AGRC1014</b>	<b>2</b>	<b>Plant Utilisation in Agriculture &amp; Natural Environments</b>
<b>AGRC1015</b>	<b>2</b>	<b>Knowledge Management in Natural &amp; Agrifood Systems</b>	<b>AGRC1019</b>	<b>2</b>	<b>Plant and Animal Biology</b>
<b>AGRC1018</b>	<b>2</b>	<b>Introductory Biology</b>	AGRC1017	2	Agricultural Mathematics
<b>ANIM1014</b>	<b>2</b>	<b>Animal Welfare, Behaviour and Handling</b>	ANIM1003	2	Animal Structure & Function
THIRD SEMESTER			FOURTH SEMESTER		
AGRC2019	2	Ecology of Natural and Agricultural Systems	<b>CHEM1003</b>	<b>2</b>	<b>Agricultural &amp; Environmental Chemistry II</b>
ANIM2005	2	Australian Terrestrial Vertebrates	ANIM3006	2	Animal Health & Epidemiology
ANIM2011	2	Animal Physiology	ANIM3018	2	Wildlife Technologies
<b>STAT2701</b>	<b>2</b>	<b>Biometrics I</b>		2	Elective
CHEM1002	2	Agricultural & Environmental Chemistry I (recommended only)			
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	AGRC2015	2	Short International Experience
ANIM3043	2	The Behaviour and Management of Animals in Society	AGRC2013	2	Agricultural Microbiology and Gene Technology
LPWM3002	2	Wildlife Utilisation & Marketing	ANIM2021	2	Animal Biometeorology
			ANIM2040	2	Animal Biosecurity
			LPWM2007	2	Environmental Management Field Studies
			MGTS1960	2	Business Management