Agriculture
Certificate II Agriculture (Y11)

Cert II Agriculture aims to prepare students for a work in the local intensive rural industries, particularly intensive cropping and livestock. It focuses on work skills and ethic, broad acre cropping and crop varieties, machinery, weather, technology, intensive livestock production etc. This course provides students with comprehensive industry knowledge (theory), and incorporates prac to compliment classroom learning. Overall the course provides the option of following an agricultural specialist path (agribusiness), general farm work or a sound knowledge base for further agricultural study.

Course Outline

S1 (Y11) Areas of Study
Term 1 Welcome to the Rural Industry.
Theory and prac work in the following:
- Explanation of the Rural Industries
- Local intensive agriculture – Broad acre cropping, livestock, horticulture.
- Rural Industry support structures – businesses, finance, trades, careers.
- Available careers and work/skills I will need
- Work/Employer expectations
- WH&S/Animal Ethics and Animal Safety Procedures
- Agricultural Software
- Introductory prac tasks at Ag Centre.
- Implications of weather in agriculture and collection of weather data (Phoenix software).
- Begin fitting livestock for Ag Centre clients.
- Guest speakers

Term 2 Crop Establishment and Maintenance
Theory and prac work in the following:
- Summer and Winter cropping, markets and end users.
- Farm machinery and equipment for the broad acre enterprise.
- Tractor operation – safety, appropriate choice and usage, maintenance.
- Farm implement design, safety and maintenance.
- Tillage operations – Conservation tillage (Zero and Min till).
- Ground preparation to harvest – all activities with growing and maintaining summer and winter crops.
- Broad acre farm planning (Phoenix).
- Technology and Precision Agriculture (cropping) – Phoenix software and contributing applications.
- Collection of weather data (Phoenix and Assessment)
- Livestock training/preparation (show team).
- Guest speakers

S2 (Y11) Areas of Study
Term 3 Intensive Livestock Industries (Cattle)
Theory and prac work in the following:
- Feedlots, Studs and commercial operations.
• Livestock handling fundamentals and safety.
• Breed recognition.
• Conformation and temperament.
• Teamwork and communication when handling livestock.
• Livestock handling equipment.
• Milling and feeding techniques/equipment.
• Livestock health, disease control and procedures.
• Animal health chemicals (restricted application)
• Feeding livestock
• Cattle nutrition – pasture/feedlot
• Technology in agriculture (livestock) – Phoenix software and contributing applications.
• Livestock property planning (Phoenix).
• Livestock training/preparation (show team).

Term 4 Preparing for my Ag Career
Theory and prac work in the following:
• Application and resume writing.
• Interview processes and techniques.
• Characteristics of a successful employee.
• Group project - Students will be involved in and assessed on each a major Cropping and Livestock project.
• General farm work and property maintenance.
• Livestock training/preparation (show team) prep of new season cattle.

Assessment:
• Observation checklist
• Scenarios/Problem Solving
• Integrated project
• Practical tasks
• Teacher Questioning
• Observations with checklists and self assessment
• Written Assessment (Worksheets and simple responses)
• Diary/Journals
• Oral presentation/spoken task

Notes: This course is delivered at Wilsonton Agricultural Field Study Centre. The course will operate over three lessons per week at the Wilsonton Agricultural Field Study Centre. There will also be property visits and participation in events such as Farmfest and Ag Show. Students may also participate in the Wilsonton Ag Centre Show Team and be involved in the Darling Downs Show circuit, Brisbane Exhibition and Rockhampton Beef Week.

** Students must have the correct Personal Protective Equipment (PPE) and comply with all WH&S requirements when participating in this course.