

The right kind of job crisis is when employers want graduates. For high school students thinking about their futures —their careers and their chances of job satisfaction — Agriculture deserves a serious look.

Agriculture in the 21st Century is about smart management and innovative technology being used to create great produce and good profits while still nurturing the environment. Careers in *Agriculture* and *Natural Resource Management* can take you anywhere in the world and into working environments ranging from a city office to the middle of the wilderness.

In the food and wine industry, agriculture, horticulture and environmental management, graduates from programs at Roseworthy and Waite are valued as the ‘cream of the crop’ by employers here and overseas.

Graduates from these institutions are being signed up for great jobs with great opportunities to grow — before the ink has dried on their exam papers!

*The greatest areas of demand are in Field Agronomy, Horticulture, Natural Resource Management and Teaching
.....a combination of production, logistic and marketing skills*

For further information on career options in Agriculture and Natural Resource Management

Visit:

www.adelaide.edu.au/agcareers

This is an excellent alternative Science subject to Biology

Prerequisites for Stage 2 Agricultural Science

- A grade of C+ or more in Year 11 Agriculture or Biology.
- A desire to work independently in class and in the library as there are usually two Agriculture (HESS G & HESS R) classes run at the same time.

Topics for Stage 2 Agricultural Science

The student will study all five core topics:

- Experimentation: Experimental Design and Analysis.
- Soil Science: Types, Fertility and Sustainable Use.
- Plant Science: Plant Anatomy and Physiology.
- Animal Science: Animal Anatomy and Physiology.
- Micro-organisms and Invertebrates.

Plus

- Animal Technology.

Assessment Weightings

Final marks will be from

Examination	50%
Course Work	35%
Individual Investigation	15%
Integrated Study / Exam	20%

Future Employment in Agriculture & the Environment

Food (Plant & Animal)

- Production
- Breed Development
- Research
- Marketing / Retail
- Technology

Environment

- Governmental Land Care Officers
- National Parks
- Remote Sensing
- Rehabilitation Officers
- Integrated Pest Management
- Population Ecology

Biotechnology

- Plant & Animals
- Microbes for Food Production

Horticulture

- Amenity Horticulture
- Production Horticulture
- Research

Viticulture & Winemaking

- Production
- Research
- Marketing
- Waste water engineers

Horses

- Horse stud, racing stable and equestrian enterprise
- Racehorse instructor
- Riding trainer
- Veterinary Science

Agricultural Myths

You've heard all these before, but what's the real story?

→ There aren't any jobs

Industry wants more skilled graduates in agricultural science, integrated pest management and natural resource management. These are the jobs for people who want to make a difference to the future of our economy and the way we use our planet. Courses in agricultural science can't keep up with that demand which means good opportunities and good working conditions for you.

→ It's all about sheep, cows and crops

Actually it's all about smart use of resources and science to improve productivity, profits and knowledge. And it's about cutting edge technology and lateral thinking.

→ It's a career for country bumpkins -no use if you want to live and work in the city

It's a great career for people who want to work in the country or the city, or even if you want to do both in the same job. It's also a great career if you want to travel.

→ Studying agriculture is only useful if you want to be a farmer

Studying agriculture can lead you to a career working in sustainable, ecologically sensitive food and wine production, working with animals or helping to save and manage our environment. The basic knowledge and skills of agricultural science are your passport to a career in research, business, production, management or marketing. The choice is yours.

Trinity College Gawler

Stage 2 Agriculture and Horticultural Science



- *Are you interested in the Environment?*
- *Do you have an interest in Animals?*
- *Do you have an interest in Plants?*
- *Are you interested in Biotechnology?*
- *Are you interested in Technology?*

Agriculture could be a career for you!!!!!!

