

Agriculture, Food & Natural Resources



close-up

The Bachelor of Agricultural Economics is a degree that gives you the practical application of economics in the real world and the opportunity to obtain invaluable practical experience.

Anna Bone,
Bachelor of Agricultural Economics,
4th year

Why Sydney?

- Highly acclaimed for research and teaching
- Largest number of agricultural degrees awarded each year
- Provides expertise in both applied economics-based and science-based programs
- Exchange programs with leading universities worldwide
- Entry Scholarships valued at \$7,000 per year over four years
- Internationally-recognised research centres and commercial farm operations
- Staff who know who you are and understand your needs
- Professional experience, excursions and field-based teaching form an integral part of the degrees

Why Agriculture, Food and Natural Resources?

- Your opportunities as an individual, our opportunities both as a nation and as a global society, ultimately relate to our understanding and the wisdom of our management of global resources
- The environment, energy, food and water are fundamental. Global warming, carbon trading, energy shortages, water and food quality and equitable access will continue to challenge us in the future
- Agriculture feeds the world and is essential to environmental stewardship, managing land and water resources
- You are equipped with strong quantitative, analytical, computer and communications skills
- Strong research skills are gained through the completion of a fourth-year project
- Excellent career prospects and outstanding employment rates
- Strong starting salaries
- Diverse and transferable skills

Career opportunities for graduates in Agricultural, Horticultural, and Land and Water Sciences:

Over 65 per cent of graduates are employed in the private sector, about 20 per cent in government and semi-government organisations, and 15 per cent undertake higher postgraduate degrees. Graduates are trained to work in management, research, consulting and policy development.

For 15 years, a 94 per cent employment within three months of completion has been maintained.

Read real life stories of recent graduates on our website www.agric.usyd.edu.au/future/undergrad.

Organisations that employ BScAgr, BHortSc and BLWSc graduates:

Bayer, Catchment Management Authorities, Dept. Primary Industries, Dept. Environment and Climate Change, Forestry Research, ECOM Agroindustrial Asia, Elders, Environmental and Earth Sciences, Environmental engineering companies, Hassall & Associates, Incitec, Landmark, Sydney Water.

Career paths of Agricultural, Horticultural and Land and Water Science graduates:

- Agribusiness
- Agronomists
- Biosecurity and biotechnology
- Commodity trading
- Crop production and protection
- Environmental management and protection
- Food science, foods and beverages
- Horticulture
- Livestock production
- Managing land and water resources
- Marketing and Media

- Plant breeding and molecular genetics
- Precision agriculture, e-Agriculture, information systems
- Soil Science

Career opportunities for graduates in Agricultural Economics and Resource Economics:

Half of the graduates in Agricultural Economics are employed in finance (includes accounting, commercial and merchant banking, futures trading, risk management), 30 per cent in agribusiness, marketing and commodity trading, 15 per cent in policy making and economic research, and 5 per cent in economic journalism and management of large corporate farms. Graduates in Resource Economics are employed as research economists, economic/policy

analysts, business market analysts and general economists in both the private and public sectors, including utility companies and mineral and energy organisations.

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Organisations that employ BAgREc and BResEc graduates:

ABARE, Barclays, Bank of Scotland, BNP Paribas, CBA, Coca-Cola Amatil, ECOM Agroindustrial Corp., Dept Environment and Conservation, Financial Review, Goldman Sachs, Hong Kong Shanghai Bank, KPMG, Macquarie Bank, Hassall & Associates, NAB, NSW Treasury, Prime Minister's Office, Productivity Commission, Rabobank, Reserve Bank, SFE, Westpac.

Career paths of Agricultural and Resource Economics graduates:

- Business analysis
- Commodity trading
- Consulting (domestic and international)
- Derivatives trading
- Development economics
- Economic analysis
- Environmental and resource management
- Logistics management
- Market analysis
- Risk management

COURSE NAME	STUDY LENGTH	ASSUMED KNOWLEDGE	MAJOR STUDIES
Bachelor of Agricultural Economics	4 years	Mathematics.	Accounting (subject to UAI); Agribusiness; Agricultural Economics; Agricultural Finance; Agricultural Marketing; Agricultural Science; Commercial Law; Econometrics; Economics; Finance; Geography; Government and International Relations; Management; Marketing; Natural Resource Economics; Psychology.
Bachelor of Horticultural Science	4 years	Mathematics and Chemistry.	Fruit, Vegetable and Ornamental Flower Production; Post-harvest Biology and Technology; Urban and Amenity Horticulture and Horticultural specialisations (within areas of Entomology, Plant Biotechnology, Plant Breeding and Molecular Genetics, Plant Pathology).
Bachelor of Land and Water Science	4 years	Mathematics and Chemistry.	Biophysical Modelling; Catchment Management; Environmental Assessment; Geography; Plant Ecology; Resource Economics; Soil Science; Spatial Information Systems; Water Resources and Quality.
Bachelor of Resource Economics	4 years	HSC Mathematics Extension 1 Recommended studies: Biology or Chemistry or Earth and Environmental Science.	Commercial Law; Economics; Finance; Geography; Government and International Relations; Mathematics; Resource Economics; Statistics; Science majors (including Biology, Chemistry, Geology, Marine Science and Soil Science).
Bachelor of Science in Agriculture	4 years	Mathematics and Chemistry.	Wide choice of subjects leading to specialisations in Agricultural Economics; Agronomy; Biometry; Biotechnology; Entomology; Environmental Chemistry; Food Science; Horticulture; Livestock Production; Microbiology; Plant Breeding and Molecular Genetics; Plant Pathology; Precision Agriculture; Soil Science; and Spatial Information Systems.

For more information contact the undergraduate adviser

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No. of academic staff: 60

No. of students: 544