Agritech is about enabling smarter farming. It involves using technology and innovation to improve efficiency, sustainability and profitability across all areas of agriculture. From automated irrigation and software for pest and disease prediction, to increased efficiency and production – agritech is taking farming into the future.

"I want to give my time to projects that benefit both the land and our society."

– Simon, geography graduate and Senior Environmental Scientist at E3 Scientific Ltd

Why agritech?

Climate change, an exploding world population and growing demand for food is increasing the urgency for more sustainable use of natural resources in farming. The world needs food and we need to get better at better at growing, harvesting, processing and distributing it. That's where agritech comes in. Agritech is about providing sustainable, smarter alternatives to traditional farming methods. Get in to agritech and help make a difference, from the inside out.

Where do I start?

Want to help make farming more sustainable? Study a Bachelor of Science in Geography.

Geography focuses on finding innovative solutions to global problems; including climate change, poverty, sustainability, health and inequality. As a student, you'll get to do science right from your first year – with trips to our many field stations, hands-on research in state-of-the-art labs, exciting courses, and opportunities to work alongside leading scientists on real-world research.

BSc in Geography – what you need to know

A BSc in Geography is a three-year degree that will give you the knowledge and skills you'll need to help agribusinesses reduce their environmental impacts and become more sustainable. Our undergraduate geography students gain highly valued skills that make them among the most employable graduates.

Here are some courses you can study in the first year of your degree:
- Science, Society and Me (SCIE101)
- Planet Earth: An Introduction to Geology (GEOL111)
- Human Geography: People, Process, Place (GEOG109)
- Introduction to Environmental Science (ENVR101)
- Statistics (STAT101)
- Ecology, Evolution and Conservation (BIOL112)
- Fundamentals of Management (MGMT100)
- Global Environmental Change (GEOG106)

Explore more course options at **www.canterbury.ac.nz/study/qualifications-and-courses/**

Transferable skills: Ability to design and carry out research projects, ability to identify positive and negative aspects of the interaction between human activities and the environment; analytical skills (including cultural, statistical and geospatial analysis); field work; report writing and data collection.

Postgraduate study options: Bachelor of Sciences (Hons), Postgraduate Diploma in Science, Professional Master of Geospatial Science and Technology, Master of Urban Resilience and Renewal Master of Science, Doctor of Philosophy.

Career options: Air quality scientist, climate consultant, community development officer, consents planner, development planner, environmental scientist, geohealth analyst, geospatial analyst, GIS analyst, project manager, research and development manager, resource management planner, social researcher, statistical analyst.

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