The world’s most ambitious minds choose the University of Melbourne, not just because we’re ranked number one.

Our degrees aren’t like most others you’ll find in Australia. They’re aligned with those offered by many top universities worldwide.

Our unique curriculum, co-designed with industry, empowers you to choose your direction and create a degree as unique as you are. This means your Melbourne experience is yours to shape. In a world where careers and agricultural industries are evolving at lightning speed, your independent and innovative thinking will set you apart from the rest.

Take the opportunity to study at our 200 partner institutions around the world. Our connections within government and the community as well corporate partnerships will bridge the gap between study and work with industry-based learning. At Melbourne you’ll network with a diverse, multicultural community of leading minds – your teachers and peers – who will enrich your perspective and broaden your horizons.

Complete an undergraduate degree and you’ll be career-ready. Or you can go on to specialised professional education at graduate level, or even undertake a research degree.

As a Melbourne agriculture student, you’ll be part of a close-knit group and develop connections that will last beyond your studies.

A University of Melbourne degree will help you build the right skills and global networks to adapt to whatever lies ahead. A distinct and outstanding education experience will prepare you for success as leaders, change agents and global citizens. You’ll achieve all this while living in the heart of Melbourne – one of the world’s most liveable cities – and our purpose built regional campus in the Goulburn Valley, Dookie.

As a world-leading university, we produce graduates that are highly sought after by employers. Our graduates represent our greatest contribution to the world.

We want you to come as you are and leave who you want to be. How else are you going to make your mark on the world?
WHY CHOOSE AGRICULTURE?

Agriculture’s focus on science and sustainability is how we will adapt to our changing climate, declining environmental health and increasing demand for safe food production to feed our growing populations.

BE IN DEMAND
A Bachelor of Agriculture is your opportunity to use science, technology and business to tackle critical sustainability issues and build a career with lasting impact.

If you’d like to understand how we can harness natural processes to sustainably feed our growing population, improve natural resource management and contribute to Australia’s growing agricultural industry, the Bachelor of Agriculture is an ideal choice. Graduates with degrees in agriculture are highly sought after in Australia, with an employment rate of over 92 per cent.

You’ll learn the science necessary to produce safe, high-quality and ethical food and fibre as well as the economics underpinning Australia’s important role in international trade.

Australia is a major global supplier of agricultural goods – around $40 billion of Australia’s projected $60 billion of agricultural production in 2019–20 will be exported.

LEARN IN THE LAB AND THE FIELD
Agriculture is a field that lets you apply biology, chemistry, physics and economics and see the real-world results of your actions. Whether you start your post-university career in a laboratory, on farms or in a bank, you’ll be making a real impact on the world.

You’ll complement your lab and classroom learning with fieldwork, and you can even choose to spend a semester learning at our agricultural research and teaching campus at Dookie, giving you additional hands-on experience and knowledge of farm operations.

APPLY THE LATEST TECHNOLOGY
Agriculture is at the beginning of a technological revolution, with research by University of Melbourne academics playing a leading role.

Drone-based sensors can monitor plants for disease and water stress across areas equivalent to hundreds of football fields in under an hour. ‘Big data’ and machine learning will give you tools to help farmers grow more food while reducing agriculture’s environmental impact.

You’ll study the science and economics underpinning these innovations and enter the workforce ready to contribute to sustainable and profitable agriculture.

IMPROVE CROP AND ANIMAL HEALTH
Plants and animals provide more food and fibre when we protect their health and welfare. Our academics determine the best ways to maintain the welfare of farm animals, develop diets to help livestock thrive in hot and dry conditions, discover the origin, spread and effects of disease and develop new medicines.

Our scientists are using precision gene-editing tools to develop crops that can survive disease, drought and heat.

You will develop an understanding of plant and animal health and welfare to prepare you for a career in the agricultural industry or for further study in veterinary medicine.

MAKE OUR FOOD SUPPLY SUSTAINABLE
Farmers manage 48 per cent of Australia’s land and a series of scientific revolutions has enabled each of them to grow enough healthy food for 600 people. But in a changing climate, we need to maintain a healthy environment, too. University of Melbourne researchers are working to make farming more drought-resilient, reduce greenhouse gas emissions, improve soil health and re-use waste while producing high-quality food.

You’ll learn how to monitor and optimise the transfer of nutrients from soils to plants to animals and how to make land and water use more sustainable by applying agricultural science and economics.
DURATION
3 years full time
Part time available
(domestic students only)

CAMPUS
Parkville, with optional semester at Dookie

ENTRY
February (Semester 1)

DOMESTIC STUDENTS
Minimum Entry:
ATAR 70.00, IB 25
Alternative entry: See Access Melbourne, page 21

INTERNATIONAL STUDENTS
International applicants will need to meet the academic admission and English Language requirements. See study.unimelb.edu.au

PREREQUISITE SUBJECT STUDY AREAS
English and mathematics
For full details of entry requirements and information for other qualifications visit: study.unimelb.edu.au

CONTACT HOURS
(FIRST YEAR, FULL TIME)
Approximately 16–22 hours per week, plus independent study time of approximately 20 hours per week.

CRICOS: 037228G

At an experimental wheat field at the University of Melbourne’s Dookie campus, researchers take readings from a sensor on the ground while a plane-based sensor monitors plants for water stress from the air. Jayden Voorzaat (right) says:

“After graduation, I see myself traveling Victoria and surrounding states as an agronomist assisting horticultural producers in improving their on-farm efficiencies as well as minimising their environmental impact. In agriculture, it’s really important to make sure you’re using sustainable practices that are going to maintain the health of the soil for future generations.”

Jayden Voorzaat (Australia)
Bachelor of Agriculture
Throughout your first year you’ll develop a solid foundation in agricultural science by studying a common curriculum, designed in consultation with industry and employers, to give you a broad understanding across sustainable agriculture as we adapt to climate change.

**LEARN SCIENCE IN AN APPLIED CONTEXT**

How can we make the most of the resources we have to grow our food? What are the constraints to plant and animal growth? You will answer these and other real-world questions through an understanding of basic scientific processes, social norms and economic frameworks.

All of our food, clothing and biofuels are created by harnessing processes, from optimising how sunlight and water feed plants to speeding up animal and plant growth with the right nutrition and soil management.

First year is designed to help you to understand these vital processes through lessons that focus on science’s real-world applications. Even if you didn’t study science in high school, you’ll be supported by the curriculum, your lecturers and your peers.

**UNDERSTAND THE AGRICULTURAL INDUSTRY**

You’ll explore the world’s food supply and demand, and the international and domestic agriculture industries. You’ll learn about the environmental and market conditions that govern the nature of agricultural activity in Australia, along with the key elements of farming and farm businesses that determine the success of these endeavours.

As you develop an understanding of whole-farm performance analysis, and how agricultural value chains change farm products in order to meet consumer needs, you’ll gain an understanding of Australia’s agricultural context and the position it occupies globally.

**GET TO KNOW YOUR PEERS**

Our students come from diverse backgrounds across Australia and overseas with interests in a range of fields including farming, veterinary medicine, sustainable plant production, research, natural resource management and more.

Sharing a curriculum and extracurricular programs, as well as our focused teaching practice, will give you opportunities to develop friendships and connections that last far beyond the conclusion of your studies.
“Environmental sustainability, I believe, is the cornerstone of the future of agriculture. I was always interested in plant science and knew it was a major part of agriculture and that there were many employment opportunities.”

Emily Furzer (Australia)
Bachelor of Agriculture
Eileen Mary Harris Scholarship
Choose between Agricultural Economics, Plant and Soil Science and Production Animal Science as your major in your second year. Your major is a sequence of subjects you complete throughout your degree that indicates you are a specialist in that discipline.

**Agricultural Economics**

This major will prepare you for a career analysing and advising on the business and financial sustainability of agricultural enterprise.

Select from a broad range of subjects including plant and animal science, economics, sustainability and resource and farm management. You'll be well equipped to analyse agricultural systems from an economic perspective and to provide management advice in this context.

**Plant and Soil Science**

Focus on the science of plant production and soil management to identify constraints and increase efficiencies. Increase your knowledge of the fundamentals of plant physiology, the basics of biochemistry and soil processes, including the rapidly expanding field of soil microbiology.

You'll study soil biology and management subjects, as well as plant health for growth and production, all while gaining a detailed understanding of the drivers of plant industries and how management strategies and breeding can optimise yield and product quality.

Learn how to address issues in plant health and sustainable agriculture, with subjects in ecology, water and soil management, plant growth and nutrition. It will provide you with a strong understanding of agronomy – the science of using plants for food, fuel, fibre and land reclamation.

**Production Animal Science**

Prepare for a career in animal health and production, animal welfare or biosecurity. In this major, you’ll study subjects in animal biology, genetics and breeding, nutrition, physiology, health and welfare.

Develop an applied knowledge of animal science, which will prepare you to progress to the University of Melbourne’s Doctor of Veterinary Medicine, if you’re pursuing a veterinary career. You’ll gain a detailed understanding of animal production industries, animal behaviour and disease, and how management strategies can optimise growth and welfare.

**Planning Your Degree**

The Bachelor of Agriculture is structured to give you varied experience. Your course plan is based around compulsory core subjects, major subjects that let you specialise in the field that interests you, and elective subjects that supplement your skills, interests and experience.

In addition to the guidance of your teachers, student support services can assist you when planning your degree, such as sample course plans (there are a range of other subjects and options). The University Handbook (available online) contains information you need about the subjects you can take, including rules and requirements. Or connect with the full range of student services, including course planning, at Stop 1.

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**Sample Course Plan – Bachelor of Agriculture Major in Plant and Soil Science**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>Agriculture in Australia</th>
<th>Foundations of Agricultural Sciences 1</th>
<th>Biology of Cells and Organisms</th>
<th>Natural Environments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Semester 2</td>
<td>Genetics for Agriculture</td>
<td>Foundations of Agricultural Sciences 2</td>
<td>Plant Production Systems</td>
<td>Animal Production Systems</td>
</tr>
<tr>
<td>Year 2</td>
<td>Semester 1</td>
<td>Agricultural Economics</td>
<td>Biochemistry in Agricultural Systems</td>
<td>Microbiology in Agriculture</td>
<td>Plant Growth Processes</td>
</tr>
<tr>
<td></td>
<td>Semester 2 (Parkville campus)</td>
<td>Principles of Soil Science</td>
<td>Crop Production and Management</td>
<td>Ecology and Grazing Management</td>
<td>Sustainable Food Systems</td>
</tr>
<tr>
<td></td>
<td>Semester 2 (Dookie campus)</td>
<td>Principles of Soil Science</td>
<td>Enterprise Management</td>
<td>Ecology and Grazing Management</td>
<td>Sustainable Food Systems</td>
</tr>
<tr>
<td>Year 3</td>
<td>Semester 1</td>
<td>Soil Management</td>
<td>Plant Pathology</td>
<td>Irrigation and Water Management</td>
<td>Agribusiness Marketing and Value Chains</td>
</tr>
<tr>
<td></td>
<td>Semester 2 (Parkville campus)</td>
<td>Professional Practice for Agriculture</td>
<td>Agronomy</td>
<td>Plant Breeding and Genetics</td>
<td>Applications in Precision Agriculture</td>
</tr>
<tr>
<td></td>
<td>Semester 2 (Dookie campus)</td>
<td>Professional Practice for Agriculture</td>
<td>Innovation Change and Knowledge Transfer</td>
<td>Industry Project</td>
<td></td>
</tr>
</tbody>
</table>

- Core subjects
- Major subjects
- Elective subjects
- Subjects leading to major

This is a sample course plan only. Subjects offered may change from year to year. You will be advised of current subject offerings prior to subject selection and enrolment.
**DOOKIE SEMESTER**

No matter which major you study, you can choose to spend Semester Two of your second year living and studying at the Dookie campus, where you can practice your new skills in a hands-on environment.

You’ll observe a wide variety of farming activities first hand, including cropping, livestock and dairy management, horticulture and viticulture, as well as support industries such as irrigation management, logistics and food processing operations.

You’ll improve your practical experience through activities and skills-based training qualifications – you can even complete your Certificate III in Agriculture for free while you’re studying at Dookie campus. You’ll also develop your understanding of the industry via weekly farm enterprise visits in the Enterprise Management subject.

Participate in research projects with on-site teachers and researchers, learn to use the cutting-edge technology transforming agriculture and immerse yourself in the day-to-day practice of the industry in which you want to build your career.

Scholarships are available to facilitate the move to Dookie and accommodation costs are low compared to a similar standard of accommodation in the city.

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**SAMPLE COURSE PLAN – BACHELOR OF AGRICULTURE MAJOR IN PRODUCTION ANIMAL SCIENCE**

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 1</th>
<th>Semester 2 (Parkville campus)</th>
<th>Semester 2 (Dookie campus)</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Agriculture in Australia</td>
<td>Foundations of Agricultural Sciences 1</td>
<td>Agricultural Systems Biology</td>
<td>Natural Environments</td>
<td>Genetics for Agriculture</td>
<td>Foundations of Agricultural Sciences 2</td>
<td>Plant Production Systems</td>
</tr>
<tr>
<td>2</td>
<td>Agricultural Economics</td>
<td>Biochemistry in Agricultural Systems</td>
<td>Microbiology in Agriculture</td>
<td>Animal Physiology and Growth</td>
<td>Principles of Soil Science</td>
<td>Comparative Nutrition and Digestion</td>
<td>Ecology and Grazing Management</td>
</tr>
<tr>
<td></td>
<td>(Parkville campus)</td>
<td></td>
<td></td>
<td></td>
<td>Principles of Soil Science</td>
<td>Enterprise Management</td>
<td>Ecology and Grazing Management</td>
</tr>
<tr>
<td></td>
<td>(Dookie campus)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Applied Animal Reproduction and Genetics</td>
<td>Production Animal Physiology</td>
<td>Animal Disease Biotechnology 1</td>
<td>Applied Animal Behaviour</td>
<td>Professional Practice for Agriculture</td>
<td></td>
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</tr>
</tbody>
</table>

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**SAMPLE COURSE PLAN – BACHELOR OF AGRICULTURE MAJOR IN AGRICULTURAL ECONOMICS**

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 1</th>
<th>Semester 2 (Parkville campus)</th>
<th>Semester 2 (Dookie campus)</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Agriculture in Australia</td>
<td>Foundations of Agricultural Sciences 1</td>
<td>Agricultural Systems Biology</td>
<td>Natural Environments</td>
<td>Genetics for Agriculture</td>
<td>Foundations of Agricultural Sciences 2</td>
<td>Plant Production Systems</td>
</tr>
<tr>
<td>2</td>
<td>Agricultural Economics</td>
<td>Biochemistry in Agricultural Systems</td>
<td>Vine to Wine</td>
<td>Water for Sustainable Futures</td>
<td>Principles of Soil Science</td>
<td>Principles of Farm Practice Change</td>
<td>Principles of Brewing</td>
</tr>
<tr>
<td></td>
<td>(Parkville campus)</td>
<td></td>
<td></td>
<td></td>
<td>Principles of Soil Science</td>
<td>Enterprise Management</td>
<td>Ecology and Grazing Management</td>
</tr>
<tr>
<td></td>
<td>(Dookie campus)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Farm Management Economics</td>
<td>Innovation Change and Knowledge Transfers</td>
<td>Agribusiness Marketing and Value Chains</td>
<td>Industry Internship</td>
<td>Professional Practice for Agriculture</td>
<td>Applied Farm Economic Analysis</td>
<td>Resource Management Economics</td>
</tr>
</tbody>
</table>

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This is a sample course plan only. Subjects offered may change from year to year. You will be advised of current subject offerings prior to subject selection and enrolment.
You’ll focus on further developing your specialised major knowledge. You’ll work with students from other specialisations and prepare for your career, applying your skills to find solutions to real-world agricultural issues.

You’ll complete your major through in-depth third-year subjects, using the knowledge and judgement you have developed to diagnose common issues and design solutions. By the end of your degree, you’ll demonstrate your ability to address issues businesses face in your area of expertise. You can choose to spend part of your third year based at the University’s Dookie campus in the Goulburn Valley, one of Australia’s key regions for the horticultural, dairy, cropping and associated industries.

DEVELOP SOLUTIONS TO INDUSTRY CHALLENGES
Modern agricultural and scientific workplaces require high levels of communication and collaboration between people with specialised skills and different backgrounds. Employers seek workers with strong teamwork, communication, networking and leadership skills. In the Bachelor of Agriculture, you’ll have opportunities to practise presenting problems, learn how to approach difficult workplace situations and showcase your work to industry.

BUILD 21ST CENTURY WORKPLACE SKILLS
In third year, the subject Professional Practice for Agriculture will give you the opportunity to apply the theoretical and practical knowledge you acquired during your Bachelor of Agriculture degree to analyse large-scale challenges confronting agricultural industries. You’ll examine different perspectives and propose options for improvements in current issues such as:

- Adoption of new technologies
- Animal welfare
- Environmental sustainability
- Water management.

Work individually and in small groups with peers from other majors to apply your range of knowledge in value chain analysis, animal health and nutrition, plant growth or water management, and make improvements relevant to the industry.

You’ll apply a ‘systems thinking’ approach to problems – considering the complete context of an agricultural enterprise, including relevant scientific, environmental, economic, social and political factors.

You’ll also develop your skills in gathering and interpreting evidence, teamwork and oral and written communication.

“I did an internship in Indonesia in February 2020 as part of a short-term program. It helped me to have an actual image of what is going on in the industry, allowed me to explore what I have learned so far and gave me a chance to learn from the experts in this field.”

Tony (Haoran) Fan (China)
Bachelor of Agriculture
YOUR STUDENT EXPERIENCE

Make the most of your time on campus by taking advantage of all that the University of Melbourne has to offer outside of the classroom.

We are taking a renewed approach to student life, focusing on a series of key commitments to our undergraduate students. You will:

• Be assisted and guided through your transition to university, especially in your first semester
• Develop a connection and sense of belonging with your peers and the wider University community
• Have access to a network of advisors and mentors for personalised advice to ensure you make the most of your study and engagement opportunities
• Have a transformative experience intellectually as well as personally, through excellent and challenging teaching and learning
• Become active in responding to the needs of the local and global community through volunteering, service and social entrepreneurship

Be recognised for your individual and group achievements over the course of your degree.

New initiatives are already underway, which we will continue to develop and implement throughout 2020–21 to support these commitments.

STUDY OVERSEAS

Interested in adding an international perspective to your studies? Agricultural science transcends geography and can be applied all around the world. We encourage all of our students to take advantage of the University’s global partnerships with leading institutions and study overseas for part of their degree. Immerse yourself in new social, cultural and intellectual environments to broaden your knowledge.

INTERNSHIPS

Local and international internships provide you with opportunities to apply the knowledge and skills you’ve developed with genuine, hands-on work experience. We offer a range of elective subjects to help you build lasting professional relationships, such as the Industry Internship and Enterprise Management subjects. You’ll improve your ability to apply agricultural science and technology in different sectors as you explore potential career paths.

VOLUNTEERING AND PLACEMENTS

There are many volunteering and placement opportunities available. They are a great way to work on your communication skills, learn new things outside your study area and add valuable experience to your resume.

INDUSTRY SEMINARS AND EVENTS

It’s never too early to start thinking about your career. Our faculty partners with some of the most significant agricultural industry bodies and hosts thought leaders in agricultural science. Be inspired by the latest scientific and technological developments, develop job and interview skills and meet industry representatives to build your network at events throughout your degree.

STUDENT CLUBS AND SOCIETIES

Joining a club or society is a great way to continue some of the extracurricular activities you already love, find a new interest or meet like-minded friends from within or outside of your degree. Join the Melbourne University Agricultural and Food Sciences Society (AFSS), one of our many wildlife appreciation groups or, if you’re seeking a career in veterinary science, join our Pre Vet Club. We have over 200 clubs and societies, so join up and get involved.

WELLBEING GRANTS

Our commitment to your health and wellbeing is absolute. We provide grants that fund proactive, student-led projects aimed at improving your physical and psychological wellbeing.

fvas.unimelb.edu.au/students
Parkville is the University of Melbourne’s main campus, just north of the heart of the city.

As an Agriculture student, you’ll learn in our brand new $100 million life sciences building – the most sophisticated of its kind in Australia.

The six-Green-Star-rated building produces 50 per cent less greenhouse gas emissions than similar buildings of its size. It includes rain water harvesting and re-use, high efficiency fittings and fixtures and a solar power system producing 140,000 kWh of solar energy per year.

The building includes large practical teaching laboratories, an object-based learning facility and classrooms for small group and problem-based learning, as well as informal learning and study spaces.

It’s located alongside the System Garden, which has been an integral part of the University since 1856. It showcases plant diversity by using characteristics such as flower structure to understand which plants belong in each family and group them together.

Elsewhere on Parkville campus, you will have access to libraries, cafes, study spaces and gardens. The campus also hosts a range of student activities, clubs, sport and seminars.
DOOKIE CAMPUS

The University of Melbourne’s Dookie campus is a living laboratory, showcasing and experimenting on the cutting edge of agricultural science. Its researchers and students work together to test and learn in real time.

Operating at the forefront of agricultural science, technology and sustainability, it houses over 8000 merino sheep, a robotic dairy, a working winery and brewery, an orchard and a natural bush reserve.

Situated on 2440 hectares between Shepparton and Benalla in Victoria, the Dookie campus has been home to a tight-knit community of students, researchers and teaching staff since 1886. Our commitment to the Goulburn Valley region lets us offer you practical experience – not just at Dookie itself, but with our many regional partners, mentors and enterprises.

If you’re living on campus, you’ll experience a unique student lifestyle in a cohesive community of peers, with supportive and inspiring teachers on hand to provide guidance. Be sure to take advantage of Dookie’s recreational facilities, including a swimming pool, gym, tennis and basketball courts, cricket nets, sports grounds, squash courts, and even horse club facilities where you can house your equine friend on campus.

Dookie campus has played a key role in the development of agriculture and agricultural teaching and learning in Australia and remains an important centre of research, teaching and technology development that is helping shape a sustainable future for agriculture in Australia.

fvas.unimelb.edu.au/dookie

A fee of $25 per week will be charged by the Faculty of Veterinary and Agricultural Sciences for each private horse kept on the Dookie campus to cover administration costs, space in a fenced paddock, a space for horse tack and to park a horse float.
“As a student who stayed away from scientific subjects in school, the subjects in the first year of my Bachelor of Agriculture were ones I never believed I could’ve completed, but the environment at the University of Melbourne encouraged a level of learning I didn’t know I was capable of. The support of teachers and students pushed me to not only pass the subjects but complete them at a higher level.

“I spent my first summer break from university in New Zealand working on a deer genetics farm, and my coursework was not only put to use but put into perspective as I would often find myself connecting the dots between the academic knowledge I’d learned at university and the practical knowledge learned on farm.”

Charlie Johnson-King (Australia)
Bachelor of Agriculture
YOUR CAREER

With essential input from industry experts and employers, the Bachelor of Agriculture will prepare you for a range of career options with global, sustainable impact.

WHERE CAN A BACHELOR OF AGRICULTURE TAKE YOU?
Agricultural science is a truly global calling. As populations increase and climate change affects agriculture and the natural world, healthy, economically viable and sustainable food and fibre production is quickly becoming the most pressing issue of our time.

Our graduates find work all along the value chain of agriculture and its supporting industries and agencies in Australia and around the world, in roles involving:
- Sustainable practice
- Water management improvement
- Responsible fertiliser use
- On-farm advising
- Food and fibre production increase
- Disease-resistant crop development
- Animal welfare
- Biosecurity
- Post-farm processing and marketing
- Agribusiness management and agricultural finance
- Government and industry policy.

In recent years, our graduates have joined employers including Agriculture Victoria, NAB, ANZ, UN Food and Agriculture Organization, Fonterra, Murray Goulburn, Warakiri Cropping, Rural Bank, Rabo Bank, Stock and Land, BASF and Perfection Fresh.

HAVE YOU THOUGHT ABOUT THESE CAREERS?

RESEARCH
Embrace your research journey through an honours year or a research higher degree with one of the Faculty of Veterinary and Agricultural Sciences’ leading researchers supervising your project. Work with laboratories and institutes around the world to advance your understanding of issues such as climate change, food security and conservation biology, to name a few.

BUSINESS, BANKING AND FINANCE
Agricultural business must balance the need for environmentally safe practice with economically sound models. Professionals in this area combine agricultural science and economic knowledge to deliver tailored solutions to challenging issues. You can go on to advise agribusinesses on financial planning as a finance officer, analyse market conditions as a commodity trader or determine the viability of new markets or products as a sales and marketing manager.

ANIMAL PRODUCTION
To feed our human population, we must take care of our animal population. Animal production management, from genetics and reproduction through to nutrition, disease control, behaviour and welfare, is vital to global health. Improve growth and productivity as an animal nutritionist, enforce laws and educate the public as an animal health or welfare officer, or maintain biosecurity and prevent a potentially devastating disease outbreak.

AGRONOMY
As the effects of global warming become more intense, you could make a real difference by improving the use of plants for food, fuel, fibre and land reclamation. Increase production output, preserve water efficiency, maintain soil nutrition and maximise the yield of farming lands by working in plant genetics, plant physiology and soil science.

POLICY
Agricultural science also applies to the social science of food and production. Apply your understanding of agriculture to advise government and industry bodies on the most effective and balanced way to regulate and prioritise agriculture policy.

INTERNATIONAL AID
As climate change exacerbates the occurrence of natural disasters around the world, understanding people, culture and landscape will assist vulnerable communities to become more resilient. Aid organisations need agricultural specialists who can help these communities by improving their agricultural profitability and teaching them skills to become more resistant to threat in the future.
GET A COMPETITIVE EDGE

A graduate degree can be a life-changing option. You’ll be equipped with specialised cognitive and technical skills and an internationally recognised graduate qualification, setting you apart from those who study a traditional Australian single or double degree. In Australia, students with a graduate degree earn more, too – on average, 36 per cent, or more than $22,700 more per year.

THE GRADUATE SCHOOL EXPERIENCE

At Melbourne, you’ll get the full benefit of the graduate school experience by studying intensively, in small classes led by experts and alongside others who share your deep interests and desire to succeed. Work towards a professional qualification (for example, Doctor of Veterinary Medicine) or join our world-changing researchers with a research higher degree.

GRADUATE STUDY IN VETERINARY, AGRICULTURAL AND FOOD SCIENCES

Graduate study areas include:
- Agricultural sciences
  - Agribusiness
  - Agricultural extension and innovation
  - Animal science
  - Crop production
  - Food sustainability
- Food and packaging innovation
- Food science
- Veterinary medicine.

OTHER GRADUATE OPTIONS

Graduates can pursue further study in other areas including:
- Architecture, building, planning and design
- Arts and humanities
- Business and economics
- Education
- Health
- Information technology and computer science
- Law
- Science.

unimelb.edu.au/study/grad-degrees

GUARANTEED ENTRY

Depending on your ATAR/notional ATAR, you could be eligible for a guaranteed place in a graduate course, subject to meeting prerequisites. Guaranteed entry is available to domestic and international students who complete an Australian Year 12 or the International Baccalaureate (IB) Diploma in Australia in 2020.

If you don’t meet the ATAR/notional ATAR required for a guaranteed place in the course of your choice, there are still options. We have a range of guarantees available to all students who complete their undergraduate degree at the University of Melbourne to the required standard, regardless of the ATAR/notional ATAR you achieved. Eligibility is based on your performance in your undergraduate degree, and subject to meeting prerequisites.

HONOURS

A fourth honours year draws together your previous studies and focuses your knowledge, skills and intellect on a piece of original research. Honours can further prepare you for employment, or for a higher research degree like a PhD.

GRADUATE DEGREE PACKAGES

If you are a graduating high school and confident about the study pathway you want to follow, our Graduate Degree Packages bundle your undergraduate degree offer with a graduate degree offer. This provides you with the security of knowing a graduate place is waiting for you, upon completion of your Melbourne bachelors degree.

For 2021 entry selection criteria details, and more information on pathways to graduate study, visit:
unimelb.edu.au/study/gdp

If you attain an ATAR of 99.80+ you’ll be guaranteed a place in the Bachelor of Agriculture / Juris Doctor Graduate Degree Package.

Study at the University of Melbourne is a journey with many possible destinations. Your Bachelor of Agriculture will give you the expertise and experience you need to join the workforce directly, if you wish. Or, you can choose to progress to one of 400 graduate courses at our 18 graduate schools.
A professional graduate degree can be a life-changing option, equipping you with specialised cognitive and technical skills and an internationally recognised qualification.

Below are some examples of possible pathways for Agriculture students, but these are just a small sample of the combinations you can follow. You'll have lots of choice, so you can ensure your pathway will set you up to be the specialist that employers need.

For more information on pathways, visit: [unimelb.edu.au/study/pathways](http://unimelb.edu.au/study/pathways)

<table>
<thead>
<tr>
<th>Bachelor of Agriculture</th>
<th>Graduate Degree</th>
<th>Your Career</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural science</td>
<td>Master of Agricultural Sciences</td>
<td>1.5 years</td>
</tr>
<tr>
<td>Any major</td>
<td>3 years</td>
<td></td>
</tr>
<tr>
<td>Food and packaging innovation</td>
<td>Master of Food and Packaging Innovation</td>
<td>2 years</td>
</tr>
<tr>
<td>Any major</td>
<td>3 years</td>
<td></td>
</tr>
<tr>
<td>Food science</td>
<td>Master of Food Science</td>
<td>2 years</td>
</tr>
<tr>
<td>Any major</td>
<td>3 years</td>
<td></td>
</tr>
<tr>
<td>Law (Graduate Degree Package available)</td>
<td>Juris Doctor</td>
<td>3 years</td>
</tr>
<tr>
<td>Any major</td>
<td>3 years</td>
<td></td>
</tr>
<tr>
<td>Research</td>
<td>Doctor of Philosophy</td>
<td>4 years</td>
</tr>
<tr>
<td>Any major, plus an honours year</td>
<td>4 years</td>
<td></td>
</tr>
<tr>
<td>Veterinary medicine</td>
<td>Doctor of Veterinary Medicine</td>
<td>4 years</td>
</tr>
<tr>
<td>Major in Production Animal Science</td>
<td>3 years</td>
<td></td>
</tr>
</tbody>
</table>
The Faculty of Veterinary and Agricultural Sciences has over 12,000 alumni. On graduation, you’ll join a large network of peers working in every part of the industry. Meet just a few of our recent graduates.

**YOUR ALUMNI NETWORK**

**ELIZA REDFERN (AUSTRALIA)**
Bachelor of Agriculture (2018)
Graduate Dairy Assistant at Warakirri Asset Management

“Studying at the University of Melbourne, particularly at the Dookie campus, was an invaluable asset to my career. By keeping me continually passionate about agriculture, it allowed me to build up practical and industry experience preparing me for my career.”

**SARAH FUSINATO (AUSTRALIA)**
Bachelor of Agriculture (2017)
Farm Source Service Specialist at Fonterra

“Agriculture isn’t just about being a farmer – it’s a career path that more young adults should consider because there are a diverse range of opportunities; there is a job for everyone. My passion is for the dairy industry, and studying at Melbourne has given me a world-class education to kickstart my career.”

**JOSH HINE (AUSTRALIA)**
Diploma in General Studies (2015), Bachelor of Agriculture (2017)
Assistant Farm Manager at Daybreak Cropping

“The Bachelor of Agriculture gave me good background knowledge of all parts of agriculture to build on in my career. I think it’s such a great industry to get into, and I love that every day is different – one day you might be deep-ripping a paddock, the next you might be in the office. It’s always growing, and there are so many different roles, both on-farm and in advising, research, even technology development.”

**CAROLINE PURCELL (AUSTRALIA)**
Bachelor of Agriculture (2017)
Consultant at Ag-Challenge Consulting

“Studying Agriculture at Melbourne gave me the technical and practical knowledge that made me an industry-ready graduate, giving me a great start to my career.”

**MICHAEL HALVERSON (AUSTRALIA)**
Diploma in General Studies (2015), Bachelor of Agriculture (2019)
Project Officer at Tatura SmartFarm, Agriculture Victoria

“In agriculture, like other industries, we have to become more efficient with everything we do and the only way to do that is through science and observation to find the best practice. I think it’s a very exciting field to be in right now.”

**HOLLIE POGORZELSKI (AUSTRALIA)**
Bachelor of Agriculture (2018)
Doctor of Veterinary Medicine student, Class of 2022

“Agriculture is a great degree and opens up so many doors, including the Doctor of Veterinary Medicine. There are also so many opportunities and jobs I had no idea about or didn’t think I would be interested in before I started. The hands-on aspects of agriculture make what I’ve learned very applicable to real-life situations.”
EXPERIENCE UNI WHILE YOU’RE STILL AT SCHOOL

You don’t have to wait until after secondary school to get a taste of studying Agriculture at the University of Melbourne. Here are some ways you can get a head start.

PRE AG CLUB
If you’re considering studying agricultural science and want to learn more while making connections with inspiring teachers and other students, then the Pre Ag Club is for you. Open to anyone in Years 9 to 12 from Australia and overseas.

WHY JOIN?
You’ll have the opportunity to:
• Attend special lectures and practical sessions delivered by the University
• Meet our leading academics, researchers and current students
• Connect with others who share your interests
• Discover the benefits of a degree and career in agricultural sciences
• Learn how you can make a difference on a global and national scale with the Bachelor of Agriculture.

fvas.unimelb.edu.au/study/pre-ag-club

THE CONOCOPHILLIPS AGRICULTURAL SCIENCE EXPERIENCE
This three-day camp gives you a taste of university life and what agricultural science is all about. Join agricultural scientists and university students in hands-on workshops and activities in laboratories and on the farm, learning about animal health, farming, food and agricultural business. Experience how they solve challenges in the real world through finding better and safer ways to grow plants and animals for both farmers and the rest of the population.

scienceexperience.com.au/when-where

AG SCIENCE IN ACTION
Experience how science can solve the problems of tomorrow with a hands-on day of activity at our Dookie campus.

FOOD AND FIBRE CAREERS DAY
Participate in workshops that showcase the vast range of fields available to you in a career in agriculture.

KWONG LEE DOW YOUNG SCHOLARS PROGRAM
If you’re a Year 10 student studying in Victoria, apply for the Kwong Lee Dow Young Scholars Program and you could have an exciting uni experience that will push you to achieve your best. Applications are open from September to October each year.

When you finish your secondary studies, you could also be offered a guaranteed place in an undergraduate degree, financial assistance to move to Melbourne and a scholarship to study overseas during your degree.

unimelb.edu.au/kld

MELBOURNE EXTENSION PROGRAM
Are you a high achieving Year 11 student in Victoria? You can study a university subject alongside your final year of high school. It’s free to join. You’ll not only experience uni life and make new connections and friends, you could receive a valuable contribution to your ATAR aggregate (depending on your results) and earn credit towards a Melbourne degree – this could mean you finish your degree faster or have a lighter study load in your first year. Applications are open late September to December.

unimelb.edu.au/extension-program
SCHOLARSHIPS

We offer more than 1200 different types of scholarships for new and current students.

The Melbourne Scholarships Program is one of the most comprehensive and generous in Australia. The depth and range of support continues to expand with the commencement of the Hansen Scholarship program in 2020.

We encourage you to challenge yourself and try out different ways of thinking. Our scholarships are just one way we inspire you to follow your curiosity and study what you love, because that’s how you thrive.

At the University of Melbourne, we’re all different. We come from different places, have different passions and ambitions. That’s why we offer a huge variety of scholarships, from those awarded on merit and some taking other factors into account; others to help with your expenses in Melbourne and some help you travel the globe. There are scholarships that support your whole course or help you explore a specific interest. Wherever you are, and whatever your passion, with a Melbourne scholarship you can turn ambition into achievement.

In addition to our scholarships, we offer many prizes, grants and bursaries helping you get the most out of your time at university. Most of these are awarded to continuing students at different points in their studies.

Grants are available to undertake volunteering or leadership activities. Excel in your studies and you could pick up a coveted prize for academic achievement. Bursaries are also available for a variety of needs and can ease the financial pressures of uni so you can focus on your studies.

HANSEN SCHOLARSHIP
The Hansen Scholarship Program will support 20 exceptional students from all around Australia with a unique financial and personal support program including cash benefits, mentoring and accommodation, as well as full-fee remission for Australian temporary protection visa holders.

scholarships.unimelb.edu.au/hansen

MELBOURNE CHANCELLOR’S SCHOLARSHIP
If you’re in your final year of high school and expecting a high ATAR, make the most of it with a Melbourne Chancellor’s Scholarship: the flagship award in our broad program of scholarships for high achievers.

NATIONAL MERIT SCHOLARSHIP
The National Merit Scholarship takes the stress out of relocating from Australian states and territories outside Victoria with an $8000 allowance paid in the first semester of your studies.

MELBOURNE PRINCIPALS’ SCHOLARSHIP
The Melbourne Principals’ Scholarship awards $5000 to Victorian Year 12 or International Baccalaureate students, in recognition of their academic achievement and contribution to their school or wider community.

HUMANITARIAN ACCESS SCHOLARSHIP
The Humanitarian Access Scholarship offers full fee remission and $15 000 in living allowances for talented students who have applied for asylum in Australia.

MELBOURNE INTERNATIONAL UNDERGRADUATE SCHOLARSHIP
For high-achieving international students, fee remissions worth up to $56 000 are available through the Melbourne International Undergraduate Scholarship.

WILLIAM ALLEN STEWART SCHOLARSHIP
This scholarship, worth up to $12 000, supports students currently studying or commencing a Bachelor of Agriculture who can demonstrate academic achievement.
Access Melbourne is our Special Entry Access Scheme (SEAS) for domestic undergraduate students

Access Melbourne, can help you gain a place in the Bachelor of Agriculture, even if your academic results are below the selection rank normally required for an offer. The scheme takes into consideration the unique and personal circumstances that may have impacted your final secondary school results as part of your undergraduate course application.

We also have scholarships and grants that can ease the financial load, and a housing program to get you securely settled close to campus.

In 2020, 33 per cent of our domestic undergraduate students were eligible for Access Melbourne, and demonstrating their ATAR was not fully reflective of their real potential.

**GET A GUARANTEED PLACE**

If you’re a domestic student, you could be eligible for a guaranteed place in the Bachelor of Agriculture if you complete the one-year Diploma in General Studies (DiGS) with a pass mark in all subjects. To be eligible for the guarantee, you must also be eligible for Access Melbourne at the time you apply for the diploma.

See page 22 for more information about DiGS.

**AM I ELIGIBLE?**

To apply for Access Melbourne you must:

- Be an Australian or New Zealand citizen, Australian permanent resident or holder of a permanent humanitarian visa
- Have not been awarded results in a degree course at a tertiary institution (this does not apply to applicants for the mature age consideration category and does not include single subjects, bridging schemes or higher education studies undertaken as part of Year 12)
- Have demonstrated the capacity to successfully undertake the course of your choice
- Apply for a University of Melbourne undergraduate course through the Victorian Tertiary Admissions Centre (VTAC).

**HOW TO APPLY**

SEAS applications are submitted via your Victorian Tertiary Admissions Centre (VTAC) account once you’ve created a course application. You can apply for one or more Access Melbourne categories:

- Disadvantaged financial background
- From a rural or isolated area
- Under-represented school
- Difficult circumstances
- Disability or medical condition
- Non-English speaking background
- Recognition as an Indigenous Australian
- Mature-age consideration (non-school leaver entry pathway).

access.unimelb.edu.au

**ACCESS SCHOLARSHIPS**

Approximately 200 Access Melbourne students every year also receive an allowance of $5000 per year (paid in half-yearly instalments) for the normal, full-time duration of the course. Indigenous students who enrol in semester 1 2021 are also considered for one of these scholarships.

We also offer a tuition waiver of up to $30 500 for 10 high-achieving Access Melbourne students per year. Plus, if you live in regional Victoria or interstate, the University will reserve a place in a residential facility close to our Parkville campus for the first year of your studies.

Percentage is based on start-year intake.

The offer does not include the cost of the accommodation. Places are limited, so apply early to avoid disappointment.
HOW TO APPLY

DOMESTIC STUDENTS
Domestic students applying for an undergraduate course must submit an application through the Victorian Tertiary Admissions Centre (VTAC). Domestic students studying overseas must also apply through VTAC. Full details about the VTAC application process can be found at:

vtac.edu.au

NON-SCHOOL LEAVER ENTRY PATHWAY
All applicants to the University must demonstrate academic merit and meet other requirements as part of the application process. As a non-school leaver, you may not have a recent study history and therefore may not meet the standard entry requirements for the course of your choice. The non-school leaver entry pathway provides mature-age applicants and those who are not entering direct from Year 12 an alternative way to demonstrate their eligibility for entry and their likelihood to succeed in their chosen course.

access.unimelb.edu.au/nsl

INTERNATIONAL STUDENTS
International students studying the VCE, an Australian Year 12 or IB in Australia must apply through VTAC for Semester 1 entry.

All other international students, including those undertaking foundation studies in Australia, must apply directly to the University or through one of our overseas representatives.

For a step-by-step guide on how to apply, visit:

study.unimelb.edu.au/how-to-apply

FEES

DOMESTIC STUDENTS
All domestic undergraduate students are enrolled in a Commonwealth Supported Place (CSP), subsidised by the Australian Government. Payment of the student contribution amount can be deferred through HECS-HELP for eligible students.

INTERNATIONAL STUDENTS
Tuition fees are charged for each year that you are enrolled. You will pay tuition fees according to your specific enrolment in any given semester. Detailed fee information, including the fee policy covering your enrolment, will be provided when you are offered a place at the University. For full details about tuition fees, visit:

study.unimelb.edu.au/how-to-apply/fees

PATHWAY TO AGRICULTURE
The Diploma in General Studies (DiGS) gives you a great step towards your future career by developing you for further study. This pathway program, based at Dookie campus, gives you the opportunity to study a broad range of subjects – including prerequisites that could open the door to a University of Melbourne bachelor's degree in agriculture, biomedicine, commerce, design or science – while you build the skills to achieve at university, within a close-knit and supportive community.

DiGS also comes with scholarship opportunities. In 2020, 15 Destination Australia scholarship opportunities, valued at $15,000 each, were offered to students in the DiGS program, allowing them to study in regional areas such as the Goulburn Valley.

If you enter the Bachelor of Agriculture via DiGS, you’ll receive credit towards most of your first-year subjects, meaning you could complete your degree in two years.

unimelb.edu.au/study/digs
## A guide to lowest selection rank ATARs and subject prerequisites. The 2021 scores are subject to Academic Board approval and will be available on the University’s website once confirmed.

<table>
<thead>
<tr>
<th>Qualification</th>
<th>Bachelor of Agriculture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australian Year 12</td>
<td></td>
</tr>
<tr>
<td>Domestic students: 2020 minimum ATAR</td>
<td>70.00</td>
</tr>
<tr>
<td>Domestic students: 2020 lowest selection rank</td>
<td>70.25</td>
</tr>
<tr>
<td>International students: 2020 guaranteed ATAR</td>
<td>70.00</td>
</tr>
<tr>
<td>VCE (Units 3 and 4)</td>
<td>A study score of at least 25 in English/English Language/Literature or at least 30 in EAL, and at least 25 in Mathematical Methods or Specialist Mathematics or a study score of at least 30 in Further Mathematics</td>
</tr>
<tr>
<td>International Baccalaureate (IB) Diploma</td>
<td></td>
</tr>
<tr>
<td>International students: 2020 guaranteed IB score</td>
<td>25</td>
</tr>
<tr>
<td>IB prerequisite subjects</td>
<td>English and one of Grade 5 in Mathematical Studies (SL) or Grade 4 in Mathematics or Further Mathematics</td>
</tr>
<tr>
<td>GCE A Levels/Singapore A Levels</td>
<td></td>
</tr>
<tr>
<td>International students: 2020 guaranteed A Level score</td>
<td>CDD</td>
</tr>
<tr>
<td>A Level prerequisite subjects</td>
<td>A grade of at least C in Mathematics or Further Mathematics and in an accepted AS Level English subject</td>
</tr>
<tr>
<td>Trinity College Foundation Studies</td>
<td></td>
</tr>
<tr>
<td>International students: 2020 guaranteed score</td>
<td>75</td>
</tr>
<tr>
<td>TCFS prerequisite subjects</td>
<td>EAP, English and Mathematics 1</td>
</tr>
</tbody>
</table>

Domestic students: Applicants who achieve the minimum ATAR for a course will be eligible for a place, provided prerequisite studies and any other specific course requirements are met. The lowest selection rank to which an offer was made may be higher, depending on demand for the course and the number of places available. Only applicants eligible for special entry schemes will be admitted below the minimum ATAR. The published minimums and guaranteed scores are those approved for 2020 and should be considered indicative for 2021. The 2021 minimums and guaranteed scores will be available on the University’s website once confirmed.

International students: The University guarantees admission to a course when an international student achieves the required score, meets prerequisite studies, satisfies the English language requirements and there are still places available in the course at the time of acceptance. If you do not meet the guaranteed score your application will not be considered for entry. Guaranteed scores apply only if no further study has been undertaken after completion of one of these programs.

Domestic students completing an international qualification: The score listed should be considered a minimum score to be eligible for a place in that course. The actual standard required may be higher depending on the demand for the course and the number of Commonwealth Supported Places (CSP) available.
CONTACT US

If you’re considering studies at the University of Melbourne, we’d love to hear from you online or meet you on campus.

Sign up and submit enquiries online at: study.unimelb.edu.au/connect-with-us

For information on our courses and entry requirements contact Stop 1

Call 13 MELB (13 6352)
+ 61 3 9035 5511

Visit us at Stop 1 (Parkville):
757 Swanston Street
The University of Melbourne
Victoria 3010 Australia