“I never imagined how much fun I would have while also gaining valuable experience doing the Bachelor of Agriculture. The semesters spent at Dookie have been my favourite part of my studies. The atmosphere of country living among friends and staff is much like a tight-knit community. After completing my studies I hope to work in the field and in labs, working on plant genetics and finding solutions to future climate problems.”

Haidir Harman (Australia)
Diploma in General Studies
Bachelor of Agriculture
WHY CHOOSE MELBOURNE?

Many people know that the University of Melbourne is ranked number one in Australia, but you may not know why.

We are one of the world’s finest universities. Employers worldwide seek out our graduates. Our students succeed at the highest levels, and in more than one domain.

We want you to create your own unique Melbourne experience, with the power to choose your direction and keep exploring new options. This is important in a world where careers are changing fast and employers value independent thinking.

As a Melbourne Agriculture student, you’ll be part of a close-knit group and develop connections that will last beyond your studies. You’ll have opportunities to take advantage of our partnerships with industry and connect with brilliant minds who can offer you new perspectives. You could spend a semester at the Dookie regional campus in the Goulburn Valley, or study overseas as part of your degree.

The University of Melbourne offers learning that stimulates, challenges and fulfils the potential of excellent students from around the globe, leading to personal development, meaningful careers and profound contributions to society.

That’s why some of the world’s most ambitious minds choose Melbourne.
WHY CHOOSE AGRICULTURE?

The world’s population is expected to grow to 9.7 billion by 2050. Increasing global wealth will grow demand for clean and safe food and fibre production. At the same time, a changing climate and declining environmental health means agriculture must become more sustainable.

BE IN DEMAND

Australia is a major global supplier of agricultural goods – around $47 billion of Australia’s projected $61 billion of agricultural production in 2018–19 will be exported. You will 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.

Graduates with degrees in agriculture are highly sought after in Australia, with an employment rate of more than 90 per cent – 12 to 15 per cent higher than other degrees. If you’d like to understand how we can harness natural processes to sustainably and ethically feed our growing population, improve natural resource management and contribute to Australia’s growing agricultural industry, the Bachelor of Agriculture is an ideal choice.

PRACTICAL SKILLS AND INDUSTRY CONNECTIONS

As a Bachelor of Agriculture student, you’ll develop practical skills across plant and soil science, animal science and agricultural economics. You will graduate with sophisticated knowledge of agricultural production from scientific, economic, environmental and ethical points of view.

In second year, you’ll have the option to immerse yourself in practical learning on our working farm at Dookie campus with a small cohort of around 50 other students. Dookie is the largest farming campus in the southern hemisphere, with a robotic dairy, experimental crops and a working winery.

You’ll develop teamwork and communication skills via industry engagement and cross-disciplinary projects. If you choose to study at our Dookie campus, enterprise visits will take you directly into industries including horticulture, sheep farming and cropping, water management, research, dairies, food processing, rural finance and more.

YOUR NEXT STEPS: WORK, HONOURS OR GRADUATE STUDY

The Bachelor of Agriculture provides excellent preparation for the workforce. Or, if you wish to deepen your knowledge, you could choose to progress to graduate study or do an honours year. Honours draws together your previous studies and focus your knowledge, skills and intellect on a piece of original research. Honours can further prepare you for employment, or for a research higher degree like a PhD.

See pages 6 – 7 and 18 to find out where your degree could lead.

AG Institute Australia, 2015 analysis of Graduate Careers Australia data.
Agriculture is the application of physical, chemical and biological sciences to optimise natural processes that produce food, fibre and energy while minimising waste and negative environmental impacts.

As a Bachelor of Agriculture student, you will learn from leading scientists and enter the workforce ready to apply science and technology to play a guiding role in this vital industry.

**APPLYING THE LATEST TECHNOLOGY THROUGH PRECISION AGRICULTURE**

Agriculture is on the verge of a technological revolution, with research by University of Melbourne academics playing a key role. Drone-based sensors can monitor planted areas – equivalent to hundreds of football fields – for disease and water stress in an hour. ‘Big data’ approaches will provide farmers with tools to grow more food while reducing greenhouse emissions, and our social science approaches are helping the workforce adopt these new technologies.

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

**IMPROVING CROP AND ANIMAL HEALTH AND GROWTH**

Plants and animals provide more food and fibre when we ensure their health and welfare. Our veterinary and agricultural academics determine the best ways to maintain the welfare of farm animals, discover the origin, spread and effects of disease, and develop animal medicines and disease-resistant crops. Our scientists are using precision gene-editing tools to develop drought and heat-tolerant crops and assisting farmers to adapt in a changing climate.

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

**SUSTAINABLY FEEDING HUMANS, PLANTS AND ANIMALS**

Nutrients and microbes in the soil and energy from the sun provide the foundation of all plant and animal production. A series of revolutions in our understanding of these scientific processes have enabled Australian farmers to produce enough food for 600 000 people. Now agriculture faces a sustainability mandate and University of Melbourne researchers are working to reduce greenhouse gas emissions, improve soil health and reduce waste while providing a growing global population with healthy, safe, high-quality food.

You will learn how to monitor and optimise the transfer of nutrients from soils to plants to animals and how to optimise land and water use, by understanding agricultural science and economics.
YOUR CAREER

With essential input from industry experts and employers, our curriculum focuses on developing graduate agricultural scientists who are work-ready from day one.

Our graduates find work all along the value chain of agriculture and its supporting industries and agencies, including:

- Research that improves outputs and sustainability
- Farm inputs like seeds and fertilisers
- On-farm advising
- Production of food and fibre
- Post-farm processing and marketing
- Government and industry policy.

In recent years our graduates have joined employers including Agriculture Victoria, NAB, ANZ, Fonterra, Murray Goulburn, Warakirri Cropping, Rural Bank, Rabo Bank, Stock and Land, Swan Hill Chemicals and Perfection Fresh.

AGRICULTURAL AND RESOURCE ECONOMICS

Economic analysis is vital to the profitability and success of agricultural businesses. The industry relies on economic modelling, business planning and other skills developed in the Agricultural Economics major. Professionals in these areas help individual producers and businesses maintain profits and adapt to changing environmental and business climates. Professionals in this area combine agricultural science and economic knowledge to deliver tailored solutions to challenging issues. Roles include:

- **Farm management consultant:** advise farmers on business decision-making based on your analysis of costs, margins and commodity prices
- **Commodity trader:** analyse market conditions and commodity sales and buying strategies
- **Rural finance officer:** determine the viability of businesses applying for loans and advise on financial planning
- **Sales and marketing manager:** analyse the viability of new markets or products, build relationships and develop marketing strategies.

ANIMAL PRODUCTION

Animal production relies on skills in and knowledge of animal physiology, growth and nutrition, health and disease, welfare science and behaviour. Students who complete the major in Production Animal Science can consider a range of interesting careers that may include:

- **Animal nutritionist:** improve livestock growth and productivity
- **Animal health or welfare officer:** help to enforce the law and educate the public
- **Quarantine officer:** maintain biosecurity, keeping Australia and other countries disease-free
- **Pharmaceutical company representative:** inform producers of the latest medical advancements and how and when to use them
- **Feedlot manager:** combine the above skills to run an efficient, profitable and ethical operation.

RESEARCH AND POLICY

Agriculture is a fundamentally scientific and increasingly knowledge-based industry. The industry interacts closely with all levels of government, and government policies influence the sustainability of agriculture. Meanwhile, there is a demand for highly skilled researchers in government, universities and the private sector. These types of roles include:

- **Agricultural researcher:** follow your agriculture degree with a career adding to the sum of scientific knowledge, starting with an honours or masters research project
- **Government policy adviser:** apply your understanding of agriculture to help governments balance programs, regulations and priorities
- **Extension officer:** explain the latest scientific research to individual farmers and businesses, and help them to find technical solutions to issues
- **International development officer or financial aid adviser:** help communities to develop by improving the profitability of their agriculture.

PLANTS AND SOIL

Agronomy is the science of producing and using plants for food, fuel, fibre and land reclamation. The major most closely aligned with this field is Plant and Soil Science. Work is available in the areas of plant genetics, plant physiology, meteorology and soil science. Roles include:

- **Agronomist:** advise producers on maximising the usefulness of their land
- **Catchment manager or environmental adviser:** improve sustainability and environmental health
- **Soil scientist:** contribute to research, more efficient water use or advanced fertiliser development
- **Orchard manager:** develop budgets, work with marketers, supervise field teams and oversee the production line to deliver fresh fruit to market.
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."

**GEORGE REID (AUSTRALIA)**
Bachelor of Agriculture (2015)
Farm Manager at Moroco West Station

"I grew up working on a farm. My degree gave me the chance to try other career options, including a stint as a trainee stock and station agent, but the pull of the land was too strong for me! I really love farming for the diversity it provides. There’s also a huge sense of pride knowing that you’re growing food and fibre for your friends and family."

**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."

**CHOWLEN LIM (MALAYSIA)**
Bachelor of Agriculture (2016)
Junior Techno Commercial Executive (Agronomy) at Fertitrade, Malaysia

"The course structure is well planned and covered a lot of aspects related to agriculture such as irrigation and water management, crop production, livestock management, agribusiness, geology, climate and much more."

**WENDY PARISH (AUSTRALIA)**
Bachelor of Agriculture (2016)
Doctor of Veterinary Medicine student at the University of Melbourne

"The Bachelor of Agriculture has given me so many more opportunities in the future once I am a vet, or if I decide to go on a different pathway. Everyone needs food and fibre, and I’m hoping I’ll be able to combine my agricultural and vet knowledge at the other end of my studies."

7
FIRST YEAR

In the first year of the Bachelor of Agriculture, you’ll develop a solid foundation in agricultural science. Initially you will study a common curriculum, designed in consultation with industry and employers, to give you a broad understanding of all areas of agriculture.

LEARN SCIENCE IN AN APPLIED CONTEXT
First-year subjects are designed to teach you how the physical, chemical and biological sciences impact sustainability, plant and animal growth, breeding and health. Key concepts in physics, chemistry, mathematics and data management build your understanding of earth and soil science, water and climate issues, and plant and animal biology. Physics and chemistry help to offer insight into agricultural science.

UNDERSTAND THE AGRICULTURAL INDUSTRY
You will explore the world’s food supply and demand, and the agriculture industry globally and in Australia. You’ll learn about 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.

You’ll develop an understanding of whole-farm performance analysis, and how agricultural value chains change farm products in order to meet consumer needs. This provides you with an understanding of Australia’s agricultural context and the position it occupies on a global scale.

GET TO KNOW YOUR PEERS
Bachelor of Agriculture students form a relatively small and close-knit group. Sharing a curriculum and extracurricular programs, as well as our focused teaching practice, will give you opportunities to develop lasting friendships and connections that last beyond the conclusion of your studies.

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.

#38 IN THE WORLD FOR AGRICULTURE AND FORESTRY
QS World University Rankings by Subject 2019
BACHELOR OF AGRICULTURE

DURATION
3 years full time
Part time available to domestic students only

CAMPUS
Parkville, with optional semester at Dookie

ENTRY
February (Semester 1)

DOMESTIC STUDENTS
Minimum Entry 2020:
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

“I have learned so much about the industry and how extensive it is, and really enjoyed getting hands-on experience. I am really interested to see what the industry will look like in the future and how different it will be with the addition of new technology and the jobs that haven’t even been invented yet.”

Clare Jensen (Australia)
Diploma in General Studies
Bachelor of Agriculture
SECOND YEAR

In second year you will choose your major – a sequence of subjects you complete throughout your degree. Completing a major indicates that you are a specialist in that particular discipline. There are three majors to choose from: Agricultural Economics, Plant and Soil Science, and Production Animal Science.

AGRICULTURAL ECONOMICS
The Agricultural Economics major allows you to select from a broad range of subjects including plant and animal science, economics, sustainability, and resource and farm management. You will be well equipped to analyse agricultural systems from an economic perspective, and be able to provide management advice in this context.

You will apply this knowledge in the economic analysis of agribusinesses in third-year subjects, including the Agricultural Economics capstone subject: Applied Farm Economic Analysis.

PLANT AND SOIL SCIENCE
In the Plant and Soil Science major, you will study subjects in soil biology and management as well as plant health for growth and production, gaining a detailed understanding of the drivers of plant industries and how management strategies can optimise yield and product quality.

The Plant and Soil Science major will equip you 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.

You can choose to spend 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.

PRODUCTION ANIMAL SCIENCE
In the Production Animal Science major, you will study subjects in animal biology, genetics and breeding, nutrition, physiology, health and welfare.

This major will give you an applied knowledge of animal science, equipping you to progress to the University of Melbourne’s Doctor of Veterinary Medicine if you choose. You will gain a detailed understanding of animal production industries, and how management strategies can optimise growth and welfare.

You will apply this knowledge in a range of third-year topics including animal disease, production and growth, behaviour and welfare, including this major’s capstone subject: Production Animal Physiology.

ELECTIVE SUBJECTS
Elective subjects available in all majors include:
- Agribusiness Marketing and Value Chains
- Animal Disease Biotechnology 1 and 2
- Animal Welfare and Ethics
- Applications in Precision Agriculture
- Applied Animal Behaviour
- Applied Animal Reproduction and Genetics
- Australia in the Wine World
- Comparative Nutrition and Digestion
- Enterprise Management
- Farm Management Economics
- Industry Internship
- Irrigation and Water Management
- Managing Production Animal Health
- Plant Pathology
- Plant Breeding and Genetics
- Principles of Brewing
- Resource Management Economics
- Soil Fertility and Nutrient Management
- Vine to Wine
- Water for Sustainable Futures.

SAMPLE COURSE PLAN – BACHELOR OF AGRICULTURE
MAJOR IN AGRICULTURAL ECONOMICS

<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 and the Evolution of Life</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>Microbiology in Agriculture</td>
<td>Biochemistry in Agricultural Systems</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td>Semester 2 (Parkville campus)</td>
<td>Principles of Soil Science</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Year 3</td>
<td>Semester 1</td>
<td>Farm Management Economics</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>Professional Practice for Agriculture</td>
<td>Applied Farm Economic Analysis</td>
<td>Resource Management Economics</td>
<td>Elective</td>
</tr>
</tbody>
</table>

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.
### SAMPLE COURSE PLAN – BACHELOR OF AGRICULTURE
#### MAJOR IN PLANT AND SOIL SCIENCE

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agriculture in Australia</td>
<td>Foundations of Agricultural Sciences 1</td>
</tr>
<tr>
<td></td>
<td>Genetics and the Evolution of Life</td>
<td>Foundations of Agricultural Sciences 2</td>
</tr>
<tr>
<td></td>
<td>Agricultural Economics</td>
<td>Microbiology in Agriculture</td>
</tr>
<tr>
<td></td>
<td>Semesters 2 (Parkville campus)</td>
<td>Crop Production and Management</td>
</tr>
<tr>
<td></td>
<td>Alternative Semester 2 (Dookie campus)</td>
<td>Enterprise Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Principles of Soil Science</td>
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<tr>
<td></td>
<td></td>
<td>Ecology and Grazing Management</td>
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<tr>
<td></td>
<td></td>
<td>Applied Crop Production and Horticulture</td>
</tr>
<tr>
<td></td>
<td>Soil Management</td>
<td>Plant Pathology</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>Irrigation and Water Management</td>
</tr>
<tr>
<td></td>
<td>Professional Practice for Agriculture</td>
<td>Elective</td>
</tr>
</tbody>
</table>

**Core subjects**  |  **Major subjects**  |  **Elective subjects**

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

Students undertaking any of the majors can choose to spend Semester 2 of their second year living and studying at the Dookie campus. This will give you the opportunity to observe first-hand a wide variety of farming activities including cropping, livestock and dairy management, horticulture and viticulture enterprises, as well as support industries such as irrigation management, logistics and food processing operations.

Scholarships are available to facilitate the move to Dookie, and accommodation costs are low relative to a similar standard of accommodation in the city. You may also choose to improve your practical experience through activities and skills-based training qualifications.

The Dookie Semester will particularly benefit those who’ve had limited hands-on agricultural experience before starting the Bachelor of Agriculture.

The Enterprise Management subject will allow you to further develop your understanding of the industry via weekly farm enterprise visits. You will identify the inputs and resources necessary for a successful enterprise and develop skills in business planning, performance monitoring and reporting.
In the third year of the Bachelor of Agriculture, you will further develop specialised knowledge through your major. You will work with students from other specialisations to apply your skills to find solutions to real-world agricultural issues.

**COMPLETE YOUR MAJOR**

You will complete your major via two capstone subjects: in-depth classes in which you will learn to apply theory and judgement developed during your major to diagnose common issues and design management interventions for agricultural enterprises. On completing these subjects, you will be able to demonstrate your ability to address issues in your area of expertise.

**BUILD 21ST CENTURY WORKPLACE SKILLS**

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 will have opportunities to practise presenting problems, learn how to approach difficult workplace situations and showcase your work to industry.

**PROFESSIONAL PRACTICE FOR AGRICULTURE**

This subject 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 will examine different perspectives and propose options for improvements in current issues such as:

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

You will 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 improvements relevant to the industry.

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

You can choose to spend 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.

“My personal highlight was a career development workshop that we completed in second year. As an individual without a family background in agriculture, I was extremely grateful for the opportunity to establish a professional network and gain industry knowledge through the professional workshops and networking opportunities provided to us through the event.”

Tom Grills (Australia)
Diploma in General Studies
Bachelor of Agriculture
YOUR STUDENT EXPERIENCE

University life is not just about going to class and studying for exams. The best way to make the most of your time on campus is by taking advantage of all that the University of Melbourne has to offer.

STUDY ABROAD AND EXCHANGE
We encourage all Bachelor of Agriculture students to undertake part of your degree overseas. By doing so, you can immerse yourself in a different social, cultural and intellectual scene, with the chance to add an international perspective to your studies. You can study overseas either as an exchange student or a study abroad student.

INTERNSHIPS
Local and international internships provide you with opportunities to integrate the knowledge and skills you have developed with genuine work experience. You will improve your knowledge of how science and technology is applied in different organisations and explore potential career paths. We encourage students to consider placements and internships to gain important experience in industry. You can also undertake a research or internship subject during your third year.

INDUSTRY SEMINARS AND EVENTS
There are many opportunities to network and build connections while you’re at university, and it’s never too early to start thinking about your career. You will be able to develop job and interview skills and meet industry representatives at events in the second and third years of your degree.

VOLUNTEERING OPPORTUNITIES
There are many volunteering 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.

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. The University has over 200 clubs and societies, so find those that fit your interests, join up and get involved!

MENTORING
Connect with a mentor who will share their experience of transitioning to work, advise you on career options and help you build your professional networks.
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 6-star 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 a year.

The building includes large practical teaching laboratories, an object-based learning facility, 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 work out which plants belong in each family, and grouping 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 an agricultural facility set on the tranquil rolling hills between Shepparton and Benalla in Victoria, Australia.

Situated on 2440 hectares, the campus includes a small community housing students, teaching staff, over 8000 merino sheep, a robotic dairy, a working winery and brewery, an orchard and a natural bush reserve.

It has played a key role in the development of agriculture and agricultural teaching and learning in Australia since 1886 and remains an important centre of research, teaching and technology development that is helping to shape the future of agriculture in Australia.

fvas.unimelb.edu.au/dookie
YOUR NEXT STEPS

Study at the University of Melbourne is a journey with many possible destinations. Your undergraduate degree will give you the expertise and experience you need to join the workforce directly, if you wish. Or, when you’re informed and ready, you can choose to progress to one of 400 graduate courses at our 18 graduate schools.

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, 37 per cent, or more than $22 000 extra 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, or join our world-changing researchers with a research higher degree.

GRADUATE STUDY IN VETERINARY, AGRICULTURAL AND FOOD SCIENCES
Graduate study areas include:
- Agribusiness
- Agricultural sciences
- Food and packaging innovation
- Food science
- Veterinary medicine.

OTHER GRADUATE OPTIONS
Bachelor of Agriculture graduates may also 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 2019.

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.

GRADUATE DEGREE PACKAGES
If you are a high achieving secondary school student and are confident about the study pathway you want to follow, you can secure your pathway straight from secondary school.

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

Quality Indicators for Learning and Teaching, 2018 Graduate Outcomes Survey.

The guaranteed entry pathways outlined on this page are available to domestic and international students who complete an Australian Year 12 or the International Baccalaureate (IB) in Australia in 2019. Eligible students must enrol in a University of Melbourne undergraduate degree immediately following Year 12, or be granted a deferral by the University.
“In Agriculture there are a lot of things to explore. I went to Dookie campus when I was in first year and had close contact with the farm animals – we learnt how to handle cows, sheep and pigs. I think it’s very useful to have the actual experience of handling animals and see how an actual farm works. I chose the Production Animal Science major in my undergraduate degree and have also chosen the Animal Science specialisation in the Master of Agricultural Sciences.”

Xin Xu (China)
Bachelor of Agriculture
Master of Agricultural Sciences student
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, however 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

<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 Agricultural consultant</td>
</tr>
<tr>
<td>Any major</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Food and packaging innovation</td>
<td>Master of Food and Packaging Innovation</td>
<td>2 years Product development scientist</td>
</tr>
<tr>
<td>Any major</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law (Graduate Degree Package available)</td>
<td>Juris Doctor</td>
<td>3 years Lawyer</td>
</tr>
<tr>
<td>Any major</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research</td>
<td>Doctor of Philosophy</td>
<td>3 years Researcher/academic</td>
</tr>
<tr>
<td>Any major, plus an Honours year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterinary medicine</td>
<td>Doctor of Veterinary Medicine</td>
<td>4 years Veterinarian</td>
</tr>
<tr>
<td>Major in Production Animal Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 years</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 are 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. The Pre-Ag Club is open to anyone in Years 9–12 from Australia and overseas.

WHY JOIN?
As a member of the Pre-Ag Club you will 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 a Bachelor of Agriculture degree.

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

UNIVERSITY OF MELBOURNE EXTENSION PROGRAM
The Extension Program is designed for high-achieving Year 12 students who are looking for an academic challenge. Rewarding you with an ATAR contribution, the program allows you to complete university studies alongside your final year of high school.

unimelb.edu.au/extension-program

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
The Melbourne Scholarships Program is one of the most comprehensive and generous in Australia.

With over 1200 scholarships available for new and current students – such as the $30,000 William Allen Stewart Scholarship for domestic and international undergraduate Agriculture students – it’s more than likely there is one that you’re eligible for.

For many of our undergraduate scholarships we’ll assess your eligibility when you apply for your course, so you don’t need to put in a separate application.

Check out what’s available and find the right scholarship for you at:

scholarships.unimelb.edu.au

“I am interested in watching how the agricultural industry will adapt to the rapidly changing social and environmental climate. Receiving the Ziegler Lawless Scholarship has allowed me to focus on my studies and meet the costs of moving from high school to university.”

Saxon Taylor-Le Page (Australia)
Bachelor of Agriculture
John and Olga Lawless Ziegler Scholarship recipient.
ACCESS MELBOURNE

Access Melbourne is the University of Melbourne’s equity program for domestic students.

It can help you gain a place in the Bachelor of Agriculture, or one of our other undergraduate degrees, even if your ATAR is below the selection rank normally required for an offer (subject to course prerequisites). You may also be eligible for guaranteed entry or an Access Scholarship.

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 2019, 30 per cent of our domestic undergraduate students were eligible for Access Melbourne, and demonstrated that, because of personal circumstances, their ATAR was not fully reflective of their real potential.

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. Every Indigenous student who enrols in Semester 1 2020 is guaranteed 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.

HOW TO APPLY

Lodge a Special Entry Access Scheme (SEAS) application via VTAC at vtac.edu.au for one or more of the following Access Melbourne categories:

- Disadvantaged financial background
- Applicants from rural or isolated areas
- 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

*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.
ADMISSIONS

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 directly 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

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: DIPLOMA IN GENERAL STUDIES
The Diploma in General Studies (DiGS) is a one-year pathway into a University of Melbourne undergraduate degree for domestic students. It combines subjects from the University’s bachelors degrees, enabling you to build the skills to achieve at university while living in a close-knit and supportive community at our Dookie agricultural campus.

If you are eligible for Access Melbourne at the time you apply for the diploma, you gain a guaranteed place in our Agriculture, Science, Commerce, Design or Biomedicine undergraduate degrees, provided you meet study score requirements and subject prerequisites. For Agriculture, a pass mark of 50 in all DiGS subjects is required.

Students who enter the Bachelor of Agriculture via DiGS do so with one year’s credit.
## ENTRY REQUIREMENTS

A guide to lowest selection rank ATARs and subject prerequisites.

<table>
<thead>
<tr>
<th>Qualification</th>
<th>Bachelor of Agriculture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Australian Year 12</strong></td>
<td></td>
</tr>
<tr>
<td>Domestic students: 2019 minimum ATAR</td>
<td>70.00</td>
</tr>
<tr>
<td>Domestic students: 2019 lowest selection rank</td>
<td>70.35</td>
</tr>
<tr>
<td>International students: 2020 guaranteed ATAR</td>
<td>70.00</td>
</tr>
<tr>
<td><strong>VCE (Units 3 and 4)</strong></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><strong>International Baccalaureate (IB) Diploma</strong></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><strong>GCE A Levels/Singapore A Levels</strong></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><strong>Trinity College Foundation Studies</strong></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.
- 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.
OPEN DAY
Sunday 18 August 2019
10am–4pm
Parkville and Southbank campuses
study.unimelb.edu.au/openday

DOOKIE DAY
Sunday 22 September 2019
10am–4pm Dookie campus,
940 Dookie-Nalinga Road
fvas.unimelb.edu.au/dookie-day

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