

Bachelor of Science – Physics major

2019

Undergraduate

Explore the interaction of matter and energy with a major in physics.

If you choose to major in physics you will explore studies in material, thermal, optics, radiation, electromagnetism and quantum physics. Physics is a broad area ranging from subatomic particles to galaxies and the universe.

Physicists can design and engineer material, machines and systems capable of imagining and manipulating single molecules and atoms.

In addition to studying courses from your chosen major, you can tailor your program through elective courses. This gives you the flexibility to combine your major field of study with a variety of other science courses.

Practical experiences are fundamental to the program and you will get the opportunity to apply your knowledge and skills to projects. You will also have access to state-of-the-art facilities to ensure you are job-ready when you graduate.

Industry connections

You will have the opportunity to work on research projects and practical activities, often undertaken in collaboration with industry.

The final year Science Project will also provide you with the opportunity to develop an independent research project which can involve an industry partner.

Career outlook

Physics graduates can work in advanced coatings, surface engineering, acoustics, geophysics, optics, radiation, soft condensed matter, materials modelling and simulation.

Graduates can work in a variety of settings in and out of laboratories including:

- medical and research laboratories
- research laboratories
- marine environments
- genetics laboratories
- government organisations

International opportunities

RMIT partners with over 150 organisations around the world to provide you with global work and study opportunities. You could spend a semester studying abroad, take part in a study tour or complete an international internship.

Professional recognition

Graduates of the biology major can apply for professional membership of the Australian Institute of Physics.

Program snapshot

Program code: BP229

Duration

Full-time: 3 years
Part-time may be available

Location

City campus

Selection mode

ATAR (2018: 71.10)

How to apply

Semester 1: VTAC
vtac.edu.au

Semester 2: Direct to RMIT
rmit.edu.au/programs/apply/direct

Fees

For local fee information:
rmit.edu.au/programs/fees

Contact

Info Corner
330 Swanston Street
(cnr La Trobe Street)
Melbourne VIC 3000
Tel. +61 3 9925 2260

rmit.edu.au/programs/bp229

Program structure

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and working with industry on self-directed projects.

Year 1

You will study foundation courses in biology, chemistry, physics and maths, and be introduced to scientific skills and communication.

You will also start to study physics courses, including physical quantities and laws of motion, force, momentum and energy, thermodynamics and electromagnetism.

Year 2

In second year, you will focus your studies on physics. This will include a more advanced understanding of thermal physics and materials science, advanced mathematics, quantum physics and electromagnetic radiation.

You will also have the opportunity to choose elective courses from other areas.

Year 3

Your final year will focus on more advanced physics courses.

The final year Science Project also gives you the opportunity to work on a small research project under the supervision of an academic staff member. You may have the opportunity to collaborate with an external organisation on this project.

Year 1	Life on Earth	Chemistry Principles or Chemistry of Materials 1	Mechanics	Calculus and Analysis 1
	Scientific Skills and Communication	Modern Physics	Thermodynamics and Electromagnetism	Calculus and Analysis 2
Year 2	Mathematics for Physicists	Materials and Thermal Physics	Optics and Radiation Physics	Science elective
	Practical Physics	Electromagnetics and Quantum Physics	Real and Complex Analysis OR Computational Mathematics OR Advanced Mathematical Modelling	University elective
Year 3	Quantum and Statistical Physics	Applied Physics	The Professional Scientist	University elective
	Photonics and Nuclear Physics	Solid State Physics	Science Project	Science elective

Compulsory courses
 Program electives
 University electives

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Bachelor of Science – Applied Sciences

2019

Undergraduate

RMIT's Applied Science degree gives you the flexibility and freedom to shape your own path and a chance to explore a broad range of scientific disciplines.

The Bachelor of Science is a flexible program allowing you to major in biology, biotechnology, chemistry, environmental science, food science or physics.

This program allows specialisation and/or generalisation and cross-disciplinary combinations of studies.

You will be studying with leading researchers and industry leaders in state-of-the-art facilities allowing you to gain skills that are readily transferable to industry.

In addition to studying courses from your chosen major, you can tailor your program through elective courses. This gives you the flexibility to combine your major field of study with a variety of other science courses.

Practical experiences are fundamental to the program and you will get the opportunity to apply your knowledge and skills to projects. You will also have access to state-of-the-art facilities to ensure you're job-ready when you graduate.

Industry connections

You will have the opportunity to work on research projects and practical activities, often undertaken in collaboration with industry.

The final year Science Project course will also provide you with the opportunity to develop an independent research project which can involve an industry partner.

Career outlook

Scientists use observation and analytical skills to research the world around us. They have strong problem-solving skills that are used to identify solutions to complex problems and communicate their findings with others.

With this broad range of transferable proficiencies and technical skills, RMIT science graduates are highly sought after.

You may choose to enter the commercial sector, pursue a career in teaching, or you might opt to continue your academic career in research at a master or PhD level.

Your journey in science could lead you to become the next molecular gastronomist, a materials chemist, a nuclear physicist, or perhaps even the next Nobel Laureate.

There are very few organisations that do not employ science graduates. Depending on your area of study and your interests you could end up working in:

- analytical laboratories
- medical and research laboratories
- renewable energy organisations
- chemical processing plants
- educational institutions
- government organisations
- not-for-profit organisations
- environmental consultancies

International opportunities

RMIT partners with over 150 organisations around the world to provide you with global work and study opportunities. You could spend a semester studying abroad, take part in a study tour or complete an international internship.

Pathways

If you have completed the first year of the Bachelor of Science (Applied Science) program or an equivalent program with a grade point average (GPA) of at least 3.5 out of 4.0, you will be eligible to apply for transfer into the second year of the Bachelor of Science (Dean's Scholar) (Honours) program.

Program snapshot

Program code: BP229

Duration

Full-time: 3 years

Part-time may be available

Location

City campus

Selection mode

ATAR (2018: 71.10)

How to apply

Semester 1: VTAC
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rmit.edu.au/programs/bp229

Professional recognition

This course is accredited by the following professional organisations:

- Australian Institute of Food
- Science and Technology (AIFST)
- Australian Institute of Physics (AIP)
- Environment Institute of Australia and New Zealand (EIANZ)
- Royal Australian Chemical Institute (RACI)

As a student, you may be eligible for student membership of number of professional membership associations including:

- Australian Biotechnology Association
- Australian Society for
- Biochemistry and Molecular
- Biology
- Australian Institute of Environmental Health

- Australian Institute of Food Science and Technology (AIFST)
- Australian Science Communicators
- Australian Water Association
- Environment Institute of Australia and New Zealand
- Nutrition Australia
- Royal Australian Chemical Institute Australian Institute of Physics

Program structure

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and working with industry on self-directed projects.

Year 1

You will study foundation courses in biology, biotechnology, chemistry, physics and maths, and be introduced to scientific skills and communication.

You will also start to study your major courses.

Year 2

In second year, you will focus your studies on your major selecting five courses in the area you wish to specialise in, plus two electives options from other science majors.

You will also have the opportunity to choose one university elective course.

Year 3

Your final year includes four major courses of your choice plus two core courses, the Science Project and The Professional Scientist.

The final year Science Project gives you the opportunity to work on a small research project under the supervision of an academic staff member. You may have the opportunity to collaborate with an external organisation on this project.

Suggested Structure

Year 1	Cell Structure and Function	Chemistry Principles	Physics for Leaders	Mathematics and Statistics
	Scientific Skills and Communication	Science elective	Science elective	University elective
Year 2	Science elective	Science elective	Science elective	Science elective
	Science elective	Science elective	Science elective	University elective
Year 3	The Professional Scientist	Science elective	Science elective	Science elective
	Science Project	Science elective	Science elective	Science elective

Compulsory courses
 Program electives
 University electives

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Bachelor of Science – Biology major

2019

Undergraduate

Study all living things, from tiny bacteria through to large plants and ecosystems with a major in biology.

If you choose to major in biology, you will study the biological diversity of plants, animals and microbes and expand your understanding of the chemical and physical basis of how cells function. You will learn how these biological entities come together in various environments to form ecosystems, and understand how these environments can be disrupted.

In addition to studying courses from your chosen major, you can tailor your program through elective courses. This gives you the flexibility to combine your major field of study with a variety of other science courses.

Practical experiences are fundamental to the program and you will get the opportunity to apply your knowledge and skills to projects. You will also have access to state-of-the-art facilities to ensure you are job-ready when you graduate.

Industry connections

You will have the opportunity to work on research projects and practical activities, often undertaken in collaboration with industry.

The final year Science Project will also provide you with the opportunity to develop an independent research project which can involve an industry partner.

Career outlook

Biology graduates work in nearly every area of biotechnology and biosciences - from gene manipulation in mammals to toxin testing in waterways and crop protection all over the world.

Graduates can work in a variety of settings in and out of laboratories including:

- medical and research laboratories
- research laboratories
- marine environments
- genetics laboratories
- government organisations

International opportunities

RMIT partners with over 150 organisations around the world to provide you with global work and study opportunities. You could spend a semester studying abroad, take part in a study tour or complete an international internship.

Pathways

Graduates of the RMIT Associate Degree in Applied Science bioscience stream with a grade point average (GPA) of at least 2.0 out of 4.0 may be able to receive credit of up to 1.5 years (equivalent to 192 credit points).

Graduates of the RMIT Diploma of Laboratory Technology who are successful in gaining a place may be able to receive credit if up to 1 year (equivalent to 96 credit points).

If you have completed the first year of the Bachelor of Science (Biology) program or an equivalent program with a grade point average (GPA) of at least 3.5 out of 4.0, you will be eligible to apply for transfer into the second year of the Bachelor of Science (Dean's Scholar, Biology) (Honours) program.

Professional recognition

Graduates of the biology major may be eligible to apply for professional membership with:

- The Australian Society for Microbiology
- The Australian Society for Biochemistry and Molecular Biology

Program snapshot

Program code: BP229

Duration

Full-time: 3 years
Part-time may be available

Location

City campus

Selection mode

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Program structure

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and working with industry on self-directed projects.

Year 1

You will study foundation courses in biology, chemistry, physics and maths, and be introduced to scientific skills and communication.

You will also start to study biology courses including cell structure and function, animal structure, function and reproduction of the major vertebrate groups, microbiology, genetics and immunology.

Year 2

In second year, you will continue to focus your studies on biology. This will include a more advanced understanding of invertebrate and vertebrate diversity, plant structure and function, microbiology, ecology, genetics and molecular biology, and chemistry for biologists.

You will also have the opportunity to choose elective courses from other areas.

Year 3

As well as focusing on your specialty, you will be introduced to electives to expand your science knowledge. These can enhance your specialty or broaden your overall studies.

In third year you will delve deeper into your specialist area and engage in work-integrated learning courses: The Professional Scientist and Science Project.

Year 1	Cell Structure and Function	Chemistry course	Physics course	Mathematics and Statistics
	Scientific Skills and Communication	Introduction to Microbiology, Immunology and Genetics	Animal Structure and Function	Science elective
Year 2	Animal Diversity	Microbiology	Plant Structure and Function	Biological Chemistry
	Plant Diversity	Ecology	Genetics and Molecular Biology	University elective
Year 3	Marine Biology	Environmental Biotechnology	Cell and Tissue Culture	The Professional Scientist
	Ecotoxicology	Science elective	University elective	Science Project

Compulsory courses
 Program electives
 University electives

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Bachelor of Science – Chemistry major

2019

Undergraduate

Study the molecular basis of chemical reactions with a major in chemistry.

Chemistry looks at materials to determine their composition and chemical properties. If you choose to major in chemistry you will learn concepts of inorganic, organic and physical chemistry and how these are applied in analysis, synthesis and detection of chemical substances.

In addition to studying courses in chemistry, you can tailor your program through elective courses. This gives you the flexibility to combine your major field of study with a variety of other science courses.

Practical experiences are fundamental to the program and you will get the opportunity to apply your knowledge and skills to projects. You will also have access to state-of-the-art facilities to ensure you are job-ready when you graduate.

Industry connections

You will have the opportunity to work on research projects and practical activities, often undertaken in collaboration with industry.

The final year Science Project course will also provide you with the opportunity to develop an independent research project which can involve an industry partner.

Career outlook

Chemistry graduates can pursue careers in manufacturing; professional, scientific and technical services; education and training and electricity, gas, water and waste services.

Graduates can work in a variety of settings in and out of laboratories in areas including:

- industrial chemistry
- analytical chemistry
- polymers
- energy sources

International opportunities

RMIT partners with over 150 organisations around the world to provide you with global work and study opportunities. You could spend a semester studying abroad, take part in a study tour or complete an international internship.

Professional recognition

Graduates of the chemistry major can apply for professional membership of the Royal Australian Chemical Institute.

Pathways

If you have completed the first year of the Bachelor of Science (Chemistry Major) program or an equivalent program with a grade point average (GPA) of at least 3.5 out of 4.0, you will be eligible to apply for transfer into the second year of the Bachelor of Science (Dean's Scholar, Chemistry) (Honours) program.

Program snapshot

Program code: BP229

Duration

Full-time: 3 years
Part-time may be available

Location

City campus

Selection mode

ATAR (2018: 71.10)

How to apply

Semester 1: VTAC
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Program structure

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and working with industry on self-directed projects.

Year 1

You will study foundation courses in chemistry, biology, physics and maths, and scientific skills and communication.

You will also start to focus your chemistry courses including physical, organic and inorganic chemistry as well as instrumental techniques and materials chemistry.

Year 2

In second year, you will continue to focus your studies on chemistry. This will include a more advanced understanding of organic, inorganic and physical chemistry, spectroscopy to identify organic molecules, chromatography and environmental analysis.

You will also have the opportunity to choose elective courses from other areas.

Year 3

Your final year will focus on more advanced chemistry courses.

The final year Science Project also gives you the opportunity to work on a small research project under the supervision of an academic staff member. You may have the opportunity to collaborate with an external organisation on this project.

Year 1	Chemistry of Materials 1	Biology course	Physics course	Mathematics course
	Scientific Skills and Communication	Chemistry of Materials 2	Analytical Science	Science elective
Year 2	Chemistry Theory 2A	Chemistry Laboratory 2A	Analytical Spectroscopy	University elective
	Chemistry Theory 2B	Instrumental and Environmental Analysis	Chemistry Laboratory 2B	Science elective
Year 3	Chemistry Theory 3A	Chemistry Laboratory 3	Advanced Instrumental Analysis	The Professional Scientist
	Chemistry Theory 3B	Advanced Spectroscopic Analysis	Science Project	University elective

Compulsory courses
 Program electives
 University electives

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Bachelor of Science – Biotechnology major

2018

Undergraduate

Learn how to apply biological principles to technologies and products with a major in biotechnology.

The Bachelor of Science is a flexible program allowing you to major in biology, biotechnology, chemistry, environmental science, food science or physics.

If you choose to major in biotechnology you will study the major biological sciences, including genetics, biochemistry, microbiology, animal and plant science, as well as specialising in bioinformatics, gene technologies and proteomics.

Biotechnology looks for ways to use biology to solve real-life problems. Biotechnologists use cutting-edge techniques and equipment to study and manipulate living organisms for research and product development.

In addition to studying courses from your chosen major, you can tailor your program through elective courses. This gives you the flexibility to combine your major field of study with a variety of other science courses.

Practical experiences are fundamental to the program and you'll get the opportunity to apply your knowledge and skills to projects. You'll also have access to state-of-the-art facilities to ensure you're job-ready when you graduate.

Industry connections

You will have the opportunity to work on research projects and practical activities, often undertaken in collaboration with industry.

The final year Science Project will also provide you with the opportunity to develop an independent research project which can involve an industry partner.

Career outlook

Biological sciences graduates work in nearly every area of biotechnology and biosciences – from gene manipulation in mammals to toxin testing in waterways and crop protection all over the world.

Graduates can work in a variety of settings in and out of laboratories including:

- medical and research laboratories
- research laboratories
- hospitals
- industrial manufacturing
- agricultural research industry
- government organisations.

International opportunities

RMIT partners with over 150 organisations around the world to provide you with global work and study opportunities. You could spend a semester studying abroad, take part in a study tour or complete an international internship.

Professional recognition

Graduates of the biotechnology major can apply for professional membership of:

- The Australian Society for Microbiology
- The Australian Society for Biochemistry and Molecular Biology

Program snapshot

Program code: BP229

Duration

Full-time: 3 years
Part-time may be available

Location

City campus

Selection mode

ATAR (2017: 72.15)

How to apply

Semester 1: VTAC
vtac.edu.au

Semester 2: Direct to RMIT
rmit.edu.au/programs/apply/direct

Fees

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Contact

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rmit.edu.au/programs/bp229

Program structure

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and working with industry on self-directed projects.

Year 1

You'll study foundation courses in biology, chemistry, physics and maths, and be introduced to scientific skills and communication.

You'll also start to study biotechnology courses, the inter-related subjects of microbiology, immunology and genetics and an introduction to animal structure and function.

Year 2

In second year, you'll focus your studies on biotechnology. This will include further studies in microbiology and advanced aspects of genetics and inheritance.

You will also have the opportunity to choose elective courses from other areas.

Year 3

Your final year will focus on more advanced biotechnology courses.

The final year Science Project also gives you the opportunity to work on a small research project under the supervision of an academic staff member. You may have the opportunity to collaborate with an external organisation on this project.

Suggested Structure

Year 1	Cell Structure and Function	Chemistry Principles	Physics for Leaders	Mathematics and Statistics
	Scientific Skills and Communication	Introduction to Microbiology, Immunology and Genetics	Animal Structure and Function	University elective
Year 2	Microbiology	Biological Chemistry	Cell and Tissue Culture	Science elective
	Genetics and Molecular Biology	Bioinformatics	University elective	Science elective
Year 3	Gene Technologies	Industrial Microbiology	The Professional Scientist	Science elective
	Functional Genomics and Proteomics	Molecular Agriculture	Science Project	Science elective

Compulsory courses
 Program electives
 University electives

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Entrance requirements

Successful completion of an Australian Year 12 senior secondary certificate of education or equivalent.

Prerequisites

Units 3 and 4 – a study score of at least 20 in one of Mathematical Methods (CAS) or Specialist Mathematics; and a study score of at least 25 in any English (except EAL) or at least 30 in English (EAL).

Additional information

Non-Year 12 applicants may submit additional information if they would like it to be considered. For semester 1 intake, this can be completed through the VTAC Personal Statement online. For semester 2 intake, this can be completed through the personal statement in the Apply Direct application.

Bachelor of Science – Environmental science major

2018

Undergraduate

Learn about all aspects of the environment with a major in environmental science.

The Bachelor of Science is a flexible program allowing you to major in biology, biotechnology, chemistry, environmental science, food science or physics.

Environmental science is the study of the relationship between organisms and their environment. It combines aspects of chemistry and biology that are particularly relevant to studying the local environment.

If you choose to major in environmental science your studies will focus on the atmosphere (air), hydrosphere (oceans, rivers and lakes), biosphere (plants, animals and micro-organisms) and the lithosphere (soil).

In addition to studying courses from your chosen major, you can tailor your program through elective courses. This gives you the flexibility to combine your major field of study with a variety of other science courses.

Practical experiences are fundamental to the program and you'll get the opportunity to apply your knowledge and skills to projects. You'll also have access to state-of-the-art facilities to ensure you're job-ready when you graduate.

Career outlook

Graduates may find employment in environmental consultancies, government agencies, resource management, research and education, and the mining/manufacturing industries.

Typical tasks graduates perform include:

- sample collection and analysis
- waste management
- ongoing monitoring and assessment
- environmental impact assessment
- site remediation
- policy development
- cleaner production
- environmental education and training
- environmental auditing.

Work may involve report writing, laboratory work, field work, research or a combination of these.

International opportunities

RMIT partners with over 150 organisations around the world to provide you with global work and study opportunities. You could spend a semester studying abroad, take part in a study tour or complete an international internship.

Professional recognition

Graduates of the environmental science major can apply for professional membership of the Environment Institute of Australia and New Zealand.

Industry connections

You will have the opportunity to work on research projects and practical activities, often undertaken in collaboration with industry.

The final year Science Project will also provide you with the opportunity to develop an independent research project which can involve an industry partner.

Program snapshot

Program code: BP229

Duration

Full-time: 3 years
Part-time may be available

Location

City campus

Selection mode

ATAR (2017: 72.15)

How to apply

Semester 1: VTAC
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Semester 2: Direct to RMIT
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Program structure

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and working with industry on self-directed projects.

Year 1

You'll study foundation courses in biology, chemistry, physics and maths, and be introduced to scientific skills and communication.

You'll also start to study environmental science courses, including the processes involved in the development of the Earth.

Year 2

In second year, you'll focus your studies on environmental science. This will include studying the processes that occur in the hydrosphere and atmosphere. You'll also study topics related to soil science and ecology.

You will also have the opportunity to choose elective courses from other areas.

Year 3

Your final year will focus on more advanced environmental science courses.

The final year Science Project also gives you the opportunity to work on a small research project under the supervision of an academic staff member. You may have the opportunity to collaborate with an external organisation on this project.

Suggested Structure

Year 1	Cell Structure and Function OR Life on Earth	Chemistry Principles	Physics for Leaders	Mathematics and Statistics
	Scientific Skills and Communication	Energy and Earth's Environment	The Changing Environment	University elective
Year 2	The Hydrosphere	Environmental Chemistry 2A OR Animal Diversity	The Soil Environment	Science elective
	Ecology	Environmental Chemistry 2B Or Plant Diversity	University elective	Science elective
Year 3	The Atmosphere	Environmental Sampling and Analysis	The Professional Scientist	Environmental Biotechnology
	Ecotoxicology	Science Project	Science elective	Science elective

Compulsory courses
 Program electives
 University electives

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Entrance requirements

Successful completion of an Australian Year 12 senior secondary certificate of education or equivalent.

Prerequisites

Units 3 and 4 – a study score of at least 20 in one of Mathematical Methods (CAS) or Specialist Mathematics; and a study score of at least 25 in any English (except EAL) or at least 30 in English (EAL).

Additional information

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This information is designed for Australian and New Zealand citizens and permanent residents of Australia.

Disclaimer: Every effort has been made to ensure the information contained in this publication is accurate and current at the date of printing. For the most up-to-date information, please refer to the RMIT University website before lodging your application. Visit www.rmit.edu.au. RMIT University CRICOS Provider Code: 00122A. RMIT Registered Training Organisation code: 3046. Prepared May 2017.

Bachelor of Science – Food science major

2018

Undergraduate

Discover the science behind new food products and large-scale food manufacturing with a major in food science.

The Bachelor of Science is a flexible program allowing you to major in biology, biotechnology, chemistry, environmental science, food science or physics.

If you choose to major in food science you will learn to apply science knowledge and skills to develop goods and services for the marketplace to meet those needs.

Food scientists use analytical techniques to test properties of food including nutritional value, flavour and to ensure the safety of food products. They can also develop new products and manufacturing methods.

In addition to studying courses from your chosen major, you can tailor your program through elective courses. This gives you the flexibility to combine your major field of study with a variety of other science courses.

Practical experiences are fundamental to the program and you'll get the opportunity to apply your knowledge and skills to projects. You'll also have access to state-of-the-art facilities to ensure you're job-ready when you graduate.

Industry connections

You will have the opportunity to work on research projects and practical activities, often undertaken in collaboration with industry.

The final year Science Project will also provide you with the opportunity to develop an independent research project which can involve an industry partner.

Career outlook

Food science graduates may work in large-scale production (processing, manufacturing, packaging, management), laboratories (research and analysis, development of new products, quality assurance) or government departments/regulatory bodies (food standards, dietary studies).

International opportunities

RMIT partners with over 150 organisations around the world to provide you with global work and study opportunities. You could spend a semester studying abroad, take part in a study tour or complete an international internship.

Professional recognition

Graduates of the food science major can apply for professional membership of the Australian Institute of Food Science and Technology.

Program snapshot

Program code: BP229

Duration

Full-time: 3 years
Part-time may be available

Location

City campus

Selection mode

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Program structure

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and working with industry on self-directed projects.

Year 1

You'll study foundation courses in biology, chemistry, physics and maths, and be introduced to scientific skills and communication.

You'll also start to study food science courses that introduce you to the food industry and nutrition.

Year 2

In second year, you'll focus your studies on food science. This will include an understanding of proteins, carbohydrates and lipids as well as food processing techniques.

You will also have the opportunity to choose elective courses from other areas.

Year 3

Your final year will focus on more advanced food processing technology and product development.

The final year Science Project also gives you the opportunity to work on a small research project under the supervision of an academic staff member. You may have the opportunity to collaborate with an external organisation on this project.

Year 1	Cell Structure and Function	Chemistry Principles	Physics for Leaders	Mathematics and Statistics
	Scientific Skills and Communication	Nutrition Principles	Introduction to Microbiology for Food and Nutrition	University elective
Year 2	Food Ingredient Structure and Function	Food Toxicology, Allergens and Health	Food Chemistry	Science elective
	Thermal Food Processing	Food Microbiology	University elective	Science elective
Year 3	Food Manufacturing Animal Products	Product Development	The Professional Scientist	Science elective
	Food Safety and Quality Assurance	Food Manufacturing Plant Products	Science Project	Science elective

Compulsory courses
 Program electives
 University electives

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Entrance requirements

Successful completion of an Australian Year 12 senior secondary certificate of education or equivalent.

Prerequisites

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