



UOW
COLLEGE
AUSTRALIA

—
PATHWAYS TO
UNIVERSITY OF
WOLLONGONG

Foundation Studies (Extended)

Streams: 1, 2, 3, 4

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Course Outline



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Foundation Studies (Extended) Course Outline

1 Course Description

The UOW College Australia (UOWCA) Foundation Studies (Extended) course is a full-time program of three sessions in duration. It is designed to provide alternative entry to the University of Wollongong (UOW) and other Australian and overseas universities for international students who have not met the direct entry requirement to a bachelor degree.

Each session is of 14 weeks' duration, including 12 weeks of tuition and a two-week study and examination period. The focus of the course is on the development of academic skills and content knowledge relevant to future university study.

There are four different streams in the Foundation Studies (Extended) course. The program allows students to study subjects within a selected stream relevant to their chosen degree.

2 Graduate Qualities

Foundations Studies (Extended) is designed to assist students in developing the UOW College Australia Graduate Qualities. It helps students become:

1. **Informed:** Have a basic knowledge of an area of study and understand its issues. Know how to apply this knowledge.
2. **Independent Learners:** Begin to engage with new ideas and ways of thinking and critically analyse issues. Seek to extend knowledge through ongoing enquiry and active learning. Find and evaluate information, using a variety of sources and technologies. Acknowledge the work and ideas of others.
3. **Problem Solvers:** Demonstrate introductory levels of creative, logical and critical thinking skills to respond effectively to problems. Be flexible and thorough.
4. **Effective Communicators:** Articulate and convey ideas effectively using a range of media. Work collaboratively and engage with people in different settings.
5. **Responsible:** Understand how decisions can affect others and make ethically informed choices. Appreciate and respect diversity and act with integrity. Take responsibility for one's own learning and completion of assessment tasks.

3 Course Learning Outcomes

The objective of all academic courses at UOW College Australia is to assist students to become independent learners who are prepared for future university study.

Graduates will be able to:

1. Employ pre-tertiary language skills in order to read, write, present and listen effectively and critically.
2. Locate, evaluate and use information appropriately to a pre-tertiary level.
3. Utilise computer technology in order to function effectively in a university environment.
4. Apply a range of skills that foster independent learning.

4 Course Learning Outcomes Mapped to Graduate Qualities

The table below shows how the graduate qualities are integrated into the course learning outcomes:

Course Learning Outcomes/Graduate Qualities	1. Informed	2. Independent Learners	3. Problem Solvers	4. Effective Communicators	5. Responsible
1. Employ pre-tertiary language skills in order to read, write, present and listen effectively and critically.	✓	✓	✓	✓	
2. Locate, evaluate and use information appropriately to a pre-tertiary level.		✓	✓		✓
3. Utilise computer technology in order to function effectively in a university environment.		✓		✓	
4. Apply a range of skills that foster independent learning.		✓	✓		✓

5 Course Structure and Subjects by Campus

FOUNDATION STUDIES EXTENDED - AUTUMN, SPRING AND SUMMER INTAKES							
SESSION 1: UOW College Session Dates							
Subject Code	Subject Name	Credit Points	Contact Hours a Week	Stream 1	Stream 2	Stream 3	Stream 4
FSPW001	Academic Skills - English	8	8	*	*	*	*
FSPW002	Academic Skills - Maths	8	8	*	*	*	*
FSPW006	People and Society	4	4	*	*	*	*
FSPW008	Environmental Science	4	4	*	*	*	*
Total Credit Points				24	24	24	24
Total Weekly Class Hours				24	24	24	24
SESSION 2: UOW College Session Dates							
Subject Code	Subject Name	Credit Points	Contact Hours a Week	Stream 1	Stream 2	Stream 3	Stream 4
FSPW017	General Mathematics	4	4	*			
FSPW023	Chemistry	4	4			*	*
FSPW027	Business and Consumer Studies	4	4	*	*		
FSPW029	Computing Studies	4	4	*	*	*	*
FSPW101	Skills for Academic Study 1*	8	6	*	*	*	*
FSPW102	English for Academic Study*	4	4	*	*	*	*
FSPW116	Mathematics 1 [^]	4	4		*		*
FSPW117	Advanced Mathematics 1 [#]	4	8			*	
Total Credit Points				24	24	24	24
Total Weekly Class Hours				22	22	26	22

FOUNDATION STUDIES EXTENDED - AUTUMN, SPRING AND SUMMER INTAKES

SESSION 3: UOW College Session Dates

Subject Code	Subject Name	Credit Points	Contact Hours a Week	Stream 1	Stream 2	Stream 3	Stream 4
FSPW011	Our Place in Space and Time	4	4	*			
FSPW018	Cognitive Studies	4	4	*	*		
FSPW022	Physics	4	6			*	*
FSPW026	Communication Studies	4	4	*	*		*
FSPW201	Skills for Academic Study 2*	6	4	*	*	*	*
FSPW202	English for Academic Study 2*	6	4	*	*	*	*
FSPW216	Mathematics 2 [^]	4	4		*		*
FSPW218	Advanced Mathematics 2 [#]	8	8			*	
Total Credit Points				24	24	24	24
Total Weekly Class Hours				20	20	22	22

* FSPW101 and FSPW102 are prerequisites for FSPW201 and FSPW202. Students must pass (at 50% or better) both FSPW101 and 102 before they can enrol in FSPW201 and/or FSPW202.

[^] FSPW116 is a pre-requisite for FSPW216. Students must pass (at 50% or better) FSPW116 before they can enrol in FSPW216.

[#] FSPW117 is a pre-requisite for FSPW218. Students must pass (at 50% or better) FSPW117 before they can enrol in FSPW218.

6 Subjects Mapped to Course Learning Outcomes

Subject/Course Learning Outcomes	1. Employ pre-tertiary language skills in order to read, write, present and listen effectively and critically.	2. Locate, evaluate and use information appropriately to a pre-tertiary level.	3. Utilise computer technology in order to function effectively in a university environment.	4. Apply a range of skills that foster independent learning.
FSPW001 Academic Skills - English	✓	✓	✓	✓
FSPW002 Academic Skills - Maths	✓			✓
FSPW006 People and Society	✓	✓		✓
FSPW008 Environmental Science	✓	✓		✓
FSPW011 Our Place in Space and Time	✓		✓	✓
FSPW017 General Mathematics			✓	✓
FSPW018 Cognitive Studies	✓	✓		✓
FSPW022 Physics				✓
FSPW023 Chemistry				✓
FSPW026 Communication Studies	✓	✓	✓	✓
FSPW027 Business and Consumer Studies	✓	✓		✓
FSPW029 Computing Studies		✓	✓	✓
FSPW101 Skills for Academic Study 1	✓	✓	✓	✓
FSPW102 English for Academic Study 1	✓	✓	✓	✓
FSPW116 Mathematics 1			✓	✓
FSPW117 Advanced Mathematics 1			✓	✓
FSPW201 Skills for Academic Study 2	✓	✓	✓	✓

Subject/Course Learning Outcomes	1. Employ pre-tertiary language skills in order to read, write, present and listen effectively and critically.	2. Locate, evaluate and use information appropriately to a pre-tertiary level.	3. Utilise computer technology in order to function effectively in a university environment.	4. Apply a range of skills that foster independent learning.
FSPW202 English for Academic Study 2	✓	✓	✓	✓
FSPW216 Mathematics 2			✓	✓
FSPW218 Advanced Mathematics 2			✓	✓

7 Progression Guidelines

UOW Degree Course Offers and Study Streams

UOW Faculty, Degree and Course Code	Code	Stream
Faculty of Business		
Bachelor of Business	325	1
Bachelor of Commerce	710	1
Faculty of Engineering and Information Sciences		
Bachelor of Business Information Systems	1838	2
Bachelor of Computer Science	766	3
Bachelor of Engineering (Honours) (Architectural, Biomedical, Civil, Computer, Electrical, Environmental, Materials, Mechanical, Mechatronic, Mining, Telecommunications)	1856	3
Bachelor of Information Technology	1807	2
Bachelor of Mathematics (Applied Statistics, Mathematics, Mathematics and Statistics)	762	3
Bachelor of Medical and Radiation Physics	847	3
Bachelor of Science (Materials)	1853	3
Bachelor of Science (Atmospheric Science, Biomolecular Physics, Nuclear Science & Technology, or Physics)	757	3
Faculty of Law, Humanities and the Arts		
Bachelor of Arts	702	1
Bachelor of Communication and Media	1706	1
Bachelor of Creative Arts	840	1
Bachelor of International Studies	1817	1
Bachelor of Journalism	852	1
Faculty of Science, Medicine and Health		
Bachelor of Exercise Science	1868	4
Bachelor of Health Science (Indigenous Health)	1784	1
Bachelor of Medical & Health Sciences	1830	4
Bachelor of Nutrition Science	1869	4
Bachelor of Science (Biological Sciences, Bionanotechnology, Chemistry, Conservation Biology, Environment, Geology, Medical Biotechnology, Medicinal Chemistry, Physical Geography & Environmental Geosciences)	742	4
Faculty of Social Sciences		
Bachelor of Arts (Psychology)	708	1
Bachelor of Geography	1708	4
Bachelor of Psychological Science	364	1
Bachelor of Public Health	1833	1
Bachelor of Science (Human Geography, or Environment and Heritage Management)	1874	4
Bachelor of Social Science	344	1
Bachelor of Sustainable Communities	370	1

Course Progression Requirements

1. Progression from Session 1 to Session 2 requires a minimum final result of 50% for three of the four Session 1 subjects (one of which must be FSPW001 Academic Skills - English) and a four-subject minimum average of 50%.
2. Stream 3 students with UOW Faculty of Engineering & Information Sciences degree offers must achieve a minimum final result of 60% for FSPW002 Academic Skills - Maths.
3. Progression from Session 2 to Session 3 requires a minimum final result of 50% for each Session 2 subject.
4. Progression from Session 3 of Streams 1, 2 and 4 to a UOW degree offer requires a minimum final result of 60% for each Session 3 subject.
5. Progression from Session 3 of Stream 3 to a UOW degree offer requires a minimum final result of 65% for each Session 3 subject.
6. Stream 1 students with Faculty of Law, Humanities and the Arts degree offers who meet UOW progression requirements receive 6 points of unspecified UOW credit transfer for FSPW201 Skills for Academic Study 2.
7. Stream 4 students with a Faculty of Science, Medicine and Health Bachelor of Science offer who meet UOW progression requirements receive 6 points of unspecified UOW credit transfer for successful completion of Session 3.

Progression to a UOW College Australia Higher Education Diploma Course

Students who complete their Foundation Studies (Extended) course but do not meet all progression requirements for their UOW degree course offer may be eligible for the offer of a related UOW College Australia higher education Diploma.

Students can be considered for entry to a Diploma only on completion of all subjects in the relevant Foundation Studies (Extended) Stream.

Each Diploma offers UOW specified credit transfer.

Diploma of Business (2 Sessions)

- Available to Stream 1 students with a UOW Bachelor of Business or Bachelor of Commerce offer.
- Eligible students are those who pass all Stream 2 subjects with a minimum result of 50% for each subject.
- Students who pass all Diploma subjects qualify for the award of the Diploma and entry to the second year of the Bachelor of Business or Bachelor of Commerce at UOW with 48 points of credit transfer (equivalent to one year of the Bachelor).

Diploma of Engineering (2 Sessions)

- Available to Stream 3 students with a UOW Bachelor of Engineering (Honours) offer.
- Eligible students are those who pass all Stream 3 subjects with a minimum result of 50% for each subject.
- Students who pass all Diploma subjects qualify for the award of the Diploma and entry to the second year of the Bachelor of Engineering (Honours) at UOW with 48 points of credit transfer (equivalent to one year of the Bachelor).

Diploma of Information Technology (2 Sessions)

- Available to Stream 2 students with a UOW Bachelor of Business Information Systems or Bachelor of Information Technology offer, and to Stream 3 students with a UOW Bachelor of Computer Science offer.
- Eligible students are those who pass all Stream 2 or 3 subjects, as appropriate, with a minimum result of 50% for each subject.
- Students who pass all Diploma subjects qualify for the award of the Diploma and entry to the second year of the Bachelor of Business Information Systems or Bachelor of Information Technology or Bachelor of Computer Science at UOW with 48 points of credit transfer (equivalent to one year of the Bachelor).

Diploma of Science (2 Session) – Offered Pending TEQSA Accreditation

- Available to Stream 4 students with a UOW Bachelor of Science offer.
- Eligible students are those who pass all Stream 4 subjects with a minimum result of 50% for each subject.
- Students who pass all Diploma subjects qualify for the award of the Diploma and entry to the second year of the Bachelor of Science at UOW with 48 points of credit transfer (equivalent to one year of the Bachelor).

8 Entry Requirements / Admissions Guidelines

Entry requirements for this course can be viewed online at:

<https://coursefinder.uow.edu.au/information/index.html?course=foundation-studies-extended>

9 Assessment

Students are required to complete a number and variety of assessment tasks related to their streams of study.

Each subject has a subject outline that is issued to students. Subject outlines contain a broad overview of subject objectives, an assessment schedule, a list of learning resources and a weekly topic outline. Subject outlines also contain an explanation of assessment components.

All assessment tasks with a weighting of 10% or greater contain clear marking criteria and an answer/marking guide.

All aspects of assessment are governed by the Assessment Policy which can be viewed in detail at: <http://www.uowcollege.edu.au/policies>.

10 Quality Assurance

The College applies formal quality assurance processes to its design of courses and assessments. These processes include:

- Standardisation of course content and delivery in accordance with Subject Outlines;
- Mandatory inclusion of clear and appropriate marking criteria in assessment tasks;
- Moderation of marking of student assessment tasks to ensure that the assessment criteria have been applied consistently, and to address differences in judgement between individual markers;
- A regular schedule of audits on student assessment tasks using randomly-selected samples of student work; and
- The use of feedback from students and teachers to inform continuous improvement of curriculum, delivery, policies and procedures.

Details of the College's approach to quality assurance can be viewed at the following link: <https://www.uowcollege.edu.au/about/policies-procedures/index.html>.

11 Subject Descriptions

FSPW001 Academic Skills - English

This subject is designed to help students develop their knowledge and understanding of English academic skills in order to help prepare them for tertiary studies. The subject will focus on developing academic skills in reading, writing, listening and speaking. The approach used will focus on developing skills in using English that are essential to success at college and university through a variety of classroom approaches that aim to develop the confidence and ability to use these skills both independently and in working with others. In addition, students will learn the conventions of academic research; how to access and assess information from a variety of sources available at university and elsewhere as well as how to use information in an ethical and responsible manner. Academic progress in all subjects will be assisted by the progress made in developing academic skills in English.

FSPW002 Academic Skills - Maths

This subject is designed to provide students with a level of mathematical language and knowledge that will prepare them for further studies of Mathematics in Sessions 2 and 3 of Foundation Studies (Extended) Program.

This subject is designed to develop skills in calculation, manipulation and problem solving and provide the language necessary to carry out these tasks. The focus of this subject is both on developing mathematical skills and improving competence in the language and terms of mathematics.

FSPW006 People and Society

People and Society introduces the study of people and society and the relationships between them by focusing on the basic concepts of Sociology and relating them to the experiences of students as individuals with a background and knowledge of a particular society and culture and as people who are experiencing a multicultural world. The main area of focus is on how people might continue to relate in a globalising world where resources are shared.

FSPW008 Environmental Science

Environmental Science is the study of the earth's natural systems and the way humans interact with these natural systems. These include the biological world, the atmosphere, the hydrosphere and the urban environment (cities). Environmental Science also introduces the concept of applying scientific information to manage and resolve conflicts that can arise from human activities that utilise the earth's resources and environments. Environmental Science is an interdisciplinary subject combining information from fields such as geography, biology, chemistry, business, political science, law and ethics.

This subject is designed to provide an introductory understanding and appreciation of the basic scientific knowledge, skills and terminology used to describe environmental processes. A selection of important environmental issues will be

examined to provide the context for this. Problem solving exercises, as well as the active collection and evaluation of data related to contemporary environmental issues, will provide students with an introduction to conducting primary research and to understanding the complex cause-effect relationships within our diverse environments.

FSPW011 Our Place in Space and Time

This subject examines our past, explains our present, and imagines our future. It aims to help students see themselves as part of the history of everything, in order to better understand their place in the world and how everything is interconnected. It brings together a broad range of both historical and scientific accounts of many different temporal and spatial scales.

FSPW017 General Mathematics

This subject provides a review of basic arithmetic; problem-solving strategies; financial mathematics; algebraic concepts; linear functions; and probability and statistics. Teaching problem-solving techniques gives students the resources and strategies thereby strengthening their mathematical skills and their confidence. Applications of algebraic techniques focusing on simplifying algebraic expressions, solving linear equations and appropriate use of formulae. The course covers the co ordinate geometry relevant to linear equations. Topics in the statistics component of the subject include presentation of data in tables and graphs, summary measures of data, probability and interpretation of normally distributed data sets.

Students should note that this subject is not equivalent to the HSC General Maths course. Content covered in this subject has been determined by UOW faculty requirements.

FSPW018 Cognitive Studies

This multidisciplinary subject provides an understanding of the workings of the mind. It examines the concepts of knowledge, knowing and intelligence from a variety of perspectives. The concepts are investigated on a number of inter-related levels: physical, psychological, philosophical and through comparison with computers.

On a physical level, there is an introduction to the basic functions and structure of the brain, perception and pattern recognition and memory. Psychologists attempt to understand what the mind is, what it does and how it does it, and vision, memory and problem solving are examined from this perspective. Philosophy is used to examine what we know and how we know it - beginning with the ancient Greeks and moving through to modern ideas of artificial intelligence. Understanding of the mind can also be enhanced by understanding and reflecting upon how computers work. In particular, artificial intelligence is defined, practical applications explored and their implications for what this means for human understanding are considered.

FSPW022 Physics

This subject provides an understanding of some of the physical laws governing the operation of the universe. This subject will prepare students for the study of science and engineering at university. It will also help the student evaluate whether they are able to continue to study physics at university as they are required to do for several science and all engineering subjects.

FSPW023 Chemistry

This subject introduces students to fundamental principles of chemistry and provides practical experience with basic chemical apparatus and techniques. This subject is directed towards students with little or no background in chemistry, and covers aspects of introductory physical and inorganic chemistry.

FSPW026 Communication Studies

This subject introduces the theory and practice of communication in business and in workplaces. It offers instruction on how students can become more effective communicators by being culturally sensitive, both personally and professionally, in a range of multimodal environments. It examines the cultural, organisational and personal contexts and processes of communication, including groups, meetings, interviews, public speaking, presentations and writing. Other issues covered include interpersonal skills, understanding non-verbal messages, listening practice and building relationships in business and workplaces.

FSPW027 Business and Consumer Studies

This subject provides a pathway to several academic disciplines. It introduces the language and methodologies of the social sciences to prepare students for the types of analysis used in economics, management, finance, sociology, behavioural science and other arts and commerce subjects. It develops a range of skills including the use of scientific method in a social science context and the use of models as diagrams, graphs, and formulae.

FSPW029 Computing Studies

This subject will provide students with the basis for understanding the concepts of various information and communications technologies. It will also provide an appreciation for the use of technology in academic research. Students will acquire essential computing skills to succeed in academic study.

FSPW101 Skills for Academic Study 1

This is a skills-based subject, designed to help students acquire the essential academic skills required at university. It introduces students to analytical and critical thinking, supervised and independent academic research and appropriate written presentation of research results. This subject aims to ensure students' academic success in their first year at university by helping them become independent learners. A key element in achieving such success is willingness on the part of students to take responsibility for their own learning and to strive consistently to improve their own work. Students are expected to reflect on their study methods and apply skills and strategies learnt in this subject to all their subjects. Students will be introduced to the expectations of tertiary study and essential skills and strategies.

FSPW102 English for Academic Study 1

This subject is designed to extend the language and research skills required in other Foundation Studies subjects. There is a particular emphasis on the skills introduced in Skills for Academic Study 1. The macro skills of reading, writing, speaking and listening skills are developed through practice activities and regular assessment tasks.

FSPW116 Mathematics 1

This subject provides a review of basic arithmetic, algebraic concepts, functions, probability, statistics and an introduction to trigonometry and trigonometric functions.

The subject develops analytical problem-solving skills and provides opportunity for students to apply mathematical methods through problem solving.

FSPW117 Advanced Mathematics 1

This subject, in combination with Advanced Mathematics 2, develops the assumed mathematical knowledge for students entering Bachelor of Engineering, Bachelor of Science (Physics, Materials, Nuclear Science and Technology), Bachelor of Medical Radiation Physics, Bachelor of Computer Science, Bachelor of Mathematics and Bachelor of Mathematics Education at UOW.

It provides a review of basic arithmetic; algebraic concepts; functions - linear, quadratic, hyperbolic, circular and absolute value; probability; statistics - descriptive, normal distribution and bivariate data; and trigonometry.

This subject develops analytical problem-solving skills and provides the opportunity for students to apply mathematical methods through problem solving.

FSPW201 Skills for Academic Study 2

In this subject, students develop and refine the essential academic skills and strategies introduced in Skills for Academic Study 1, and there is a greater emphasis on group work.

FSPW202 English for Academic Study 2

This subject is designed to extend the language and research skills required in other Foundation Studies subjects. There is a particular emphasis on the skills introduced in Skills for Academic Study 2. The macro skills of reading, writing, speaking and listening skills are developed through practice activities and regular assessment tasks.

FSPW216 Mathematics 2

This subject introduces and develops the techniques of calculus. It covers differentiation and integration of power, trigonometric, exponential and logarithmic functions, as well as applications. It also covers the topic of exponential growth and decay.

The subject develops analytical problem-solving skills and provides the opportunity for students to apply mathematical methods through problem solving.

FSPW218 Advanced Mathematics 2

This subject introduces and develops the techniques of calculus. Differentiation and integration of polynomials, exponential, logarithmic and trigonometric functions are covered as well as applications. It also covers the sequences and series and polynomials.

The subject develops analytical problem-solving skills and provides the opportunity for students to apply mathematical methods through problem solving.

12 Version Control Table

Version Control	Date Effective	Approved By	Amendment
1	12/09/2019	UOWCA Academic Board	Initial release - 2020 delivery