

TRANSITION FROM THE COLLEGE TO WESTERN SYDNEY UNIVERSITY AUTUMN 2027

Disclaimer: This suggested study pattern is based on the information currently available and is intended as a general guide only. Students are advised to refer to the official Academic Handbook and consult with the School to confirm their individual study plan.

Guide for students transitioning from 7196 Diploma in Science to 3754 Bachelor of Science

More information on your chosen Bachelor Degree, including the sequence of study, can be found on the [University website](#) or in the [Student Handbook](#).

PATHWAY CREDITS

Your pathway credits are shown below and can be [found online](#).

Upon successful completion of your Diploma, you will receive full credit for the following subjects:

- NATS1019 - Scientific Literacy
- CHEM1008 - Introductory Chemistry
- BIOS1001 - Biodiversity
- BIOS1012 - Cell Biology
- CHEM1012 - Essential Chemistry
- Unspecified Electives – 30 credit points

For registration and academic advice please contact Science@westernsydney.edu.au.

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RECOMMENDED STUDY SEQUENCE AGRICULTURAL SCIENCE MAJOR (T164)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	AGRI1011 - Introduction to Agriculture MATH1026 - Quantitative Thinking NATS2042 - Science Research Methods EART2004 - Soils & Substrates
2	Spring	AGRI1003 - Animal Science HORT2003 - Plant Production NATS3044 - Complex Case Studies in Science HORT3002 - Protected Cropping Technology
3	Autumn	NATS3055 - Practicum 1 AGRI3005 - Animal Production Select two Elective subjects
3	Spring	AGRI3009 - Agricultural Technology BIOS3036 - Agricultural Biosecurity Select two Elective subjects

RECOMMENDED STUDY SEQUENCE ANIMAL SCIENCE MAJOR (T054)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	AGRI1009 - Wildlife Studies NATS2042 - Science Research Methods AGRI1005 - Human Animal Interactions MATH1026 - Quantitative Thinking
2	Spring	AGRI1003 - Animal Science NATS3044 - Complex Case Studies in Science Select two Elective subjects
3	Autumn	NATS3055 - Practicum 1 AGRI3010 - Animal Health and Welfare AGRI3002 - Animal Nutrition and Feeding Elective subject
3	Spring	NATS3056 - Practicum 2 AGRI2004 - Animal Reproduction AGEN3001 - Animal Behaviour Elective subject

RECOMMENDED STUDY SEQUENCE APPLIED PHYSICS MAJOR (T078)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	MATH1014 - Mathematics 1A PHYS1006 - Physics 2 NATS3044 - Complex Case Studies in Science Elective subject
2	Spring	MATH1015 - Mathematics 1B PHYS1006 - Physics 2 NATS3044 - Complex Case Studies in Science Elective subject
3	Autumn	MATH2001 - Advanced Calculus NATS3055 - Practicum 1 PHYS3007 - Quantum Physics Elective subject
3	Spring	PHYS3006 - Classical Physics PHYS3001 - Astroinformatics PHYS3008 - Biomedical Physics Elective subject

RECOMMENDED STUDY SEQUENCE BIOLOGY MAJOR (T053)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	BIOS2042 - Biochemistry BIOS2022 - Microbiology 1 BIOS2018 - Genetics MATH1026 - Quantitative Thinking
2	Spring	BIOS3027 - Molecular Biology of the Cell BIOS2006 - Comparative Physiology NATS3044 - Complex Case Studies in Science Elective subject
3	Autumn	NATS3055 - Practicum 1 BIOS3032 - Plant Science Select two Elective subjects
3	Spring	BIOS3033 - Applied Bioinformatics BIOS3034 - Molecular Biotechnology Select two Elective subjects

RECOMMENDED STUDY SEQUENCE CHEMISTRY MAJOR (T026)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	MATH1026 - Quantitative Thinking CHEM2001 - Analytical Chemistry CHEM2006 - Organic Chemistry CHEM2008 - Inorganic Chemistry
2	Spring	CHEM2010 - Physical Chemistry CHEM3004 - Advanced Organic Chemistry NATS3044 - Complex Case Studies in Science <i>or</i> NATS3045 Work Internship for Science Professionals Elective subject
3	Autumn	NATS3055 - Practicum 1 CHEM3005 - Advanced Physical Chemistry CHEM3003 - Advanced Inorganic Chemistry Elective subject
3	Spring	CHEM3001 - Advanced Analytical Chemistry NATS3056 - Practicum 2 Select two Elective subjects

RECOMMENDED STUDY SEQUENCE ENVIRONMENTAL HEALTH MAJOR (T076)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	BIOS1027 - Management of Aquatic Environments MATH1026 - Quantitative Thinking BIOS1035 - Anatomy and Physiology in Health BIOS2022 - Microbiology 1
2	Spring	ENVL1006 - Environmental Health Issues and Solutions NATS2031 - Toxicology EART3007 - Land Degradation and Contamination ENVL3010 - Environmental Planning, Policy and Regulation
3	Autumn	PUBH2010 - Epidemiology NATS3055 - Practicum 1 PUBH3017 - Occupational Health and Safety PUBH3005 - Disaster and Emergency Management
3	Spring	NATS3045 - Work Internship for Science Professionals NATS3020 - Food Microbiology and Safety PUBH3007 - Disease Prevention and Control PUBH3021 - Air Pollution and Control

RECOMMENDED STUDY SEQUENCE ENVIRONMENTAL SCIENCE MAJOR (T120)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	ENVL1004 - Introduction to Environmental Science NATS2042 - Science Research Methods EART2004 - Soils and Substrates EART2001 - Climate Change Science
2	Spring	ENVL1009 - Environmental Monitoring and Impact Assessment BIOS3039 - Ecology ENVL3060 - Geospatial Analysis MATH1026 - Quantitative Thinking
3	Autumn	NATS3055 - Practicum 1 BIOS3035 - Sustainable Environments Select two Elective subjects
3	Spring	NATS3061 - Environmental Markets EART3006 - Science of the Anthropocene Select two Elective subjects

RECOMMENDED STUDY SEQUENCE FOOD SCIENCE & INNOVATION MAJOR (T163)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	MATH1026 - Quantitative Thinking NATS2042 - Science Research Methods PROC2002 - Novel Foods Elective subject
2	Spring	PROC1005 - Intro to Food Science and Nutrition NATS2041 - Functionality of Food Ingredients NATS3020 - Food Microbiology and Safety NATS3045 - Complex Case Studies in Science
3	Autumn	NATS3055 - Practicum 1 NATS3038 - Quality Assurance and Food Analysis NATS3048 - Food Formulations and Sensory Evaluation Elective subject
3	Spring	PROC3003 - Food Product Development PROC3007 - Food Innovation and Processing Technologies Select two Elective subjects

Note: You will need a rule waiver to study PROC2002 before PROC1005. Please contact the School.

RECOMMENDED STUDY SEQUENCE FORENSIC SCIENCE MAJOR (T049)

Note: For information on the Forensic Science Major (T049), please [contact the School](#).

RECOMMENDED STUDY SEQUENCE ZOOLOGY MAJOR (T029)

The recommended study sequence for students commencing in Autumn semester is:

Year	Semester	Subject Code and Name
2	Autumn	AGRI1009 - Wildlife Studies NATS2042 - Science Research Methods BIOS2041 - Vertebrate Zoology MATH1026 - Quantitative Thinking
2	Spring	BIOS2040 - Invertebrate Zoology BIOS3039 - Ecology BIOS2006 - Comparative Physiology NATS3044 - Complex Case Studies in Science
3	Autumn	NATS3055 - Practicum 1 BIOS3026 - Evolution and Genetics Select two Elective subjects
3	Spring	NATS3056 - Practicum 2 AGEN3001 - Animal Behaviour Select two Elective subjects