

# DIPLOMA IN SCIENCE (7196)

**Approved Abbreviation:** DipSc

**Western Sydney University Program Code:** 7196

This program applies to students who commenced in Autumn Block 1, 2025 or later.

The Diploma in Science is designed to equip you with foundational knowledge, conceptual tools, theories, and skills spanning the fields of natural, physical, and medical sciences. This diploma offers a pathway to diverse and rewarding career opportunities, as well as the flexibility to progress to further academic studies, including bachelor's degrees in various science disciplines. You will also learn to apply this knowledge to conduct socially responsible scientific and professional activities. Through scientific inquiry, you will hone critical thinking and problem-solving capabilities, preparing you to tackle some of society's complex challenges.

For more information on Western Sydney University, The College, please refer to their web site.

Western Sydney University, The College (<https://www.westernsydney.edu.au/future/study/application-pathways/the-college.html>)

## Study Mode

One year full-time or two years part-time.

## Program Advice

College Program Enquiries (<https://directory.westernsydney.edu.au/search/email/AdminApp@westernsydney.edu.au>)

## Location

| Campus               | Attendance | Mode     | Advice    |
|----------------------|------------|----------|-----------|
| Campbelltown Campus* | Full Time  | Internal | See above |
| Campbelltown Campus* | Part Time  | Internal | See above |

\* Programs delivered through an agreement with another party

## Admission

This program is open to Australian Citizens and Permanent Residents who are aged 17 years or over and **not** currently enrolled in or completing Year 12 in the same year of intended admission.

If you would like more information on The College's pathway diplomas, please visit: Pathway Programs | The College ([westernsydney.edu.au](https://www.westernsydney.edu.au)) (<https://www.westernsydney.edu.au/future/study/application-pathways/the-college/courses/>)

For direct applications to Western Sydney University please visit: Western Sydney University ([uac.edu.au](https://www.westernsydney.edu.au)) (<https://www.westernsydney.edu.au/ws/>)

For UAC applications please visit: Universities Admissions Centre - UAC (<https://www.uac.edu.au/>)

## Program Structure

Students will need to enrol in **one subject that will run online for 17 weeks** (in either Autumn or Spring sessions) and will **simultaneously study another four subjects on campus in block mode (1 subject**

**studied every 4 weeks)** during this period. Please note that subjects in blocks are studied over 4 weeks.

Qualification for this award requires the successful completion of 110 credit points including the subjects listed below.

## Start-year Intake

| Subject                                  | Title   | Credit Points |
|--|---|---------------|
| <b>Autumn Semester</b>                   |   |               |
| GEDU 0016                                | Employability and Graduate Success (WSTC Prep)        | 15            |
| <b>Autumn Block 1</b>                    |   |               |
| GEDU 1001                                | Introduction to University Life (WSTC)                | 10            |
| <b>Autumn Block 2</b>                    |   |               |
| ENVL 1008                                | Sustainable and Ethical Industry Practices (WSTC)     | 10            |
| <b>Autumn Block 3</b>                    |   |               |
| BIOS 1040                                | Natural Science (WSTC)                                | 10            |
| <b>Autumn Block 4</b>                    |   |               |
| BIOS 1041                                | Fundamentals of Biotechnology (WSTC)                  | 10            |
| <b>Spring Semester</b>                   |   |               |
| GEDU 0017                                | Transition Success (WSTC Prep)                        | 15            |
| <b>Spring Block 1</b>                    |   |               |
| CHEM 1013                                | Essential Chemistry (WSTC)                            | 10            |
| <b>Spring Block 2</b>                    |   |               |
| NATS 1032                                | Introduction to Applied Science and Technology (WSTC) | 10            |
| <b>Spring Block 3</b>                    |   |               |
| Choose one elective subject <sup>1</sup> |   | 10            |
| <b>Spring Block 4</b>                    |   |               |
| Choose one elective subject <sup>1</sup> |   | 10            |
| <b>Total Credit Points</b>               |   | <b>110</b>    |

<sup>1</sup> Students may choose electives from any other subject offered under a Destination College Diploma. These subjects cannot be University subjects or other College subjects.

## Mid-year Intake

| Subject                | Title   | Credit Points |
|------------------------|---|---------------|
| <b>Spring Semester</b> |   |               |
| GEDU 0016              | Employability and Graduate Success (WSTC Prep)    | 15            |
| <b>Spring Block 1</b>  |   |               |
| GEDU 1001              | Introduction to University Life (WSTC)            | 10            |
| <b>Spring Block 2</b>  |   |               |
| ENVL 1008              | Sustainable and Ethical Industry Practices (WSTC) | 10            |
| <b>Spring Block 3</b>  |   |               |
| BIOS 1040              | Natural Science (WSTC)                            | 10            |
| <b>Spring Block 4</b>  |   |               |
| BIOS 1041              | Fundamentals of Biotechnology (WSTC)              | 10            |
| <b>Autumn Semester</b> |   |               |
| GEDU 0017              | Transition Success (WSTC Prep)                    | 15            |
| <b>Autumn Block 1</b>  |   |               |
| CHEM 1013              | Essential Chemistry (WSTC)                        | 10            |
| <b>Autumn Block 2</b>  |   |               |

|  |   |            |
|--|---|------------|
| NATS 1032                                | Introduction to Applied Science and Technology (WSTC) | 10         |
| <b>Autumn Block 3</b>                    |   |            |
| Choose one elective subject <sup>1</sup> |   | 10         |
| <b>Autumn Block 4</b>                    |   |            |
| Choose one elective subject <sup>1</sup> |   | 10         |
| <b>Total Credit Points</b>               |   | <b>110</b> |

<sup>1</sup> Students may choose electives from any other subject offered under a Destination College Diploma. These subjects cannot be University subjects or other College subjects.

## Available Electives

Students may choose any subject from the below Destination College Diplomas as their electives. Please note, not all elective options may be available on all campuses or in all teaching sessions. Elective subjects cannot be the same as compulsory program-specific subjects.

| Subject   | Title   | Credit Points |
|-----------|---|---------------|
| BIOS 1040 | Natural Science (WSTC)  | 10            |
| BIOS 1041 | Fundamentals of Biotechnology (WSTC)  | 10            |
| BLDG 1019 | Construction Site Administration (WSTC)   | 10            |
| BLDG 1020 | Domestic Construction (WSTC)  | 10            |
| BLDG 1021 | Commercial Construction (WSTC)  | 10            |
| BLDG 1022 | Construction Site Safety (WSTC)   | 10            |
| BUSM 1045 | Creative Enterprises and Information Technologies (WSTC)                        | 10            |
| BUSM 1046 | Managing and Leading Enterprises (WSTC)   | 10            |
| CART 1009 | Exploring the Creative Industries (WSTC)  | 10            |
| CHEM 1013 | Essential Chemistry (WSTC)  | 10            |
| COMM 1046 | Data Dynamics: Influence, Ethics, and Power (WSTC)                              | 10            |
| COMP 1015 | Programming Fundamentals and Algorithmic Design (WSTC)                          | 10            |
| COMP 1016 | Foundations of Networking and Cyber Security (WSTC)                             | 10            |
| CULT 1028 | Introduction to Criminology and Justice (WSTC)                                  | 10            |
| CULT 1029 | The Individual in a Global Context: The Concepts and Ideas that Shape Us (WSTC) | 10            |
| DESN 1023 | Visual Media Design (WSTC)  | 10            |
| ECON 1015 | Understanding the Economic Context of Enterprises (WSTC)                        | 10            |
| EDUC 1010 | Educational Psychology (WSTC)   | 10            |
| EDUC 1012 | Literacy and Numeracy for Educators (WSTC)                                      | 10            |
| EDUC 1013 | Sociology for Educators(WSTC)   | 10            |
| EDUC 2015 | Education for Sustainability (WSTC)   | 10            |
| ENGR 1053 | Applied Physics for Engineers (WSTC)  | 10            |
| ENVL 1008 | Sustainable and Ethical Industry Practices (WSTC)                               | 10            |
| FINC 1004 | Financial Concepts and the Language of Business (WSTC)                          | 10            |
| GEDU 1002 | Core Foundations and Key Ideas (WSTC)   | 10            |
| HLTH 1021 | Effective Communication in Health (WSTC)  | 10            |
| HLTH 1022 | Evidence in Health Practice (WSTC)  | 10            |
| HLTH 1023 | Diversity in Health (WSTC)  | 10            |
| HUMN 1068 | Intersectionality: Identity, Diversity and Difference (WSTC)                    | 10            |
| HUMN 1069 | Human Rights and Community Action (WSTC)  | 10            |

|           |   |    |
|-----------|---|----|
| HUMN 1070 | Indigenous Australia: People, Places and Philosophies (WSTC)      | 10 |
| HUMN 1072 | The Human Experience: Fundamentals of Arts and Humanities (WSTC)  | 10 |
| HUMN 1073 | Understanding Contemporary Australia (WSTC)                       | 10 |
| INFO 1005 | Website Design(WSTC)  | 10 |
| INFS 1017 | Database Design and Management (WSTC)                             | 10 |
| LANG 1033 | Cultural Crossroads: Understanding the World Through Texts (WSTC) | 10 |
| MATH 1039 | Engineering Mathematics and Statistics (WSTC)                     | 10 |
| MATH 1040 | Engineering Mathematics and Computing (WSTC)                      | 10 |
| MKTG 1013 | Marketing Enterprises (WSTC)                                      | 10 |
| NATS 1029 | Human Anatomy and Physiology 1 (WSTC)                             | 10 |
| NATS 1030 | Human Anatomy and Physiology 2 (WSTC)                             | 10 |
| NATS 1032 | Introduction to Applied Science and Technology (WSTC)             | 10 |
| PROC 1009 | Materials Science in Engineering (WSTC)                           | 10 |
| PUBH 1015 | People, Health and Society (WSTC)                                 | 10 |
| TEAC 2067 | Being a Teacher (WSTC)  | 10 |