



## UNSW Science

# Republic Polytechnic - Diploma in Materials Science

Students who complete the **Republic Polytechnic Diploma in Materials Science**, and apply to the **Bachelor of Engineering (Hons) in Materials Science and Engineering (3131)** at UNSW Sydney, may be eligible for advanced standing.

Credit of up to **60 Units of Credit (UoC)** or **10 courses** will be awarded to eligible students who achieve a minimum **CGPA of 3.0**. This CGPA will be assessed on a regular basis and may be subject to change.

Republic Polytechnic	UNSW Science – Advanced Standing	Units of Credit (UoC)
<b>Diploma in Materials Science</b>	<b>Bachelor of Engineering in Materials Science and Engineering</b>	<b>192</b>
A203 Applied Physics AND A207 Physics	PHYS1121 Physics 1A	6
A291 Material Science AND A392 Advanced Materials	MATS1192 Design & Application of Materials in Science & Eng	6
A201 Chemistry	CHEM1011 Chemistry 1A	6
A202 Chemistry II	CHEM1021 Chemistry 1B	6
A364 Analytical Instrumentation A394 Materials Analysis	MATS2003 Materials Characterisation	6
A391 Materials Processing G101 Cognitive Processes & Problem Solving G107 Effective Communication	MATS2007 Design & Application of Materials in Science & Eng	6
B102 Organisational Behaviour A931 Industry Immersion Programme A301 Laboratory Management	MATS3007 Materials Industry Management	6
A292 Polymer and Composite Science E341 Electronic & Semiconductor Materials	MATS4005 Composites and Functional Materials	6
	GENZ3500 Unspecified General Education	12
	<b>TOTAL</b>	<b>60</b>

**What you need to know:**

- No advanced standing is awarded for first year mathematics courses; students need to undertake MATH1131 Mathematics 1A and MATH1141 Mathematics 1B (these are core courses in program 3131) in order to meet the prerequisites of higher level courses.
- No advanced standing is awarded for first year engineering courses; students need to undertake ENGG1000 and ENGG1811 (these are core courses in program 3131) in order to meet the engineering requirements of the degree.
- Advanced standing is a maximum of 60 UOC as indicated in Table 1; students need to complete a further 132 UOC in Program 3131 (nominally 2.75 years full-time study) as well as 60 days of approved industrial training. For the latter, any industrial training undertaken prior to study at UNSW may be considered.
- Students who apply for the UNSW **Bachelor of Science (3970)** with a major in **Materials Science** will be awarded the same credit noted in this document.
- We recommend that you review the **Bachelor of Engineering (Hons) in Materials Science and Engineering (3131)** program structure and rules to understand how to progress with your course enrolment. Please refer to:  
<http://www.handbook.unsw.edu.au/undergraduate/programs/current/3131.html>
- Thinking about applying? Contact [studyscience@unsw.edu.au](mailto:studyscience@unsw.edu.au) if you need assistance. We are here to help you. Please state in the subject line of the email that you are from **Republic Polytechnic**.

**Please note:**

- The information above is accurate at the time of publication and may be subject to change.
- It is the responsibility of Republic Polytechnic to advise UNSW Science of any changes to the curriculum or syllabi.