



## UNSW Science

# Nanyang Polytechnic - Diploma in Nanotechnology and Materials Science

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

Credit of up to **72 Units of Credit (UoC)** or **12 courses** will be awarded to eligible students who achieve a minimum **3.0 CGPA**. This GPA will be assessed on a regular basis and may be subject to change.

Cumulative Grade Point Average (CGPA)	Advanced Standing
≥3.00	Admission with full credit (as listed in Table 1 below)
2.40 – 2.99	Admission with credit of 1 year (48 UoC)
2.00 – 2.39	Admission but no Advanced Standing
<2.00	No admission

Nanyang Polytechnic	UNSW Science – Advanced Standing	
Diploma in Nanotechnology and Materials Science	Bachelor of Engineering in Materials Science and Engineering (3131)	UoC
Introduction to Engineering	ENGG1000 Introduction to Engineering Design and Innovation	6
Computer Programming	ENGG1811 Computing for Engineers	6
Mathematics 1A/B (60h)	MATH1131 Mathematics 1A	6
Mathematics 1A/C (60h)	MATH1231 Mathematics 1B	6
Organic Chemistry (60h)	CHEM1011 Chemistry 1A	6
Inorganic and Physical Chemistry (60h)	CHEM1021 Chemistry 1B	6
Thermodynamics (75h)		
Physics (60h)	PHYS1121 Physics 1A	6
Semiconductor Technology (75h)		

Materials Science (60h) Advanced Materials Science (60h)	MATS1192 Design & Application of Materials in Science & Eng	6
	<b>TOTAL up to a maximum of</b>	<b>48</b>

**Applicants with the required CGPA can be awarded up to an additional 24 UoC from the following:**

<b>Diploma in Nanotechnology and Materials Science</b>	<b>Bachelor of Engineering in Materials Science and Engineering (3131)</b>	<b>UOC</b>
Materials Analysis and Nanocharacterization (75h)	MATS2003 Materials Characterisation	6
Mechanics of Materials (60h)	MATS2004 Mechanical Behaviour of Materials	6
General Studies (60h)	GENZ3500 Unspecified General Education	12
	<b>TOTAL up to a maximum of</b>	<b>24</b>

**What you need to know:**

- 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 **Nanyang Polytechnic**.
- Advanced standing is a maximum of 72 UoC as indicated in Table 1; students need to complete a further 132 UoC in Program 3131 (nominally 2.5 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.

**Please note:**

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