

Bachelor of Advanced Science (Honours) 3962 – MATSP1 Materials Science – T1 2026 START

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Program: Advanced Science (Honours) [3962]

Year 1 Term 1

Course or Activity	Prerequisites	Credits
MATS1192 Introduction to Materials Science and Engineering		6
SCIF0000 Introduction to University		0
<i>CHEM1011 or CHEM1031</i>		6
<i>MATH1131 or MATH1141</i>		6

Year 1 Term 2

Course or Activity	Prerequisites	Credits
<i>MATH1231 or MATH1241</i>		6
<i>PHYS1121 or PHYS1131</i>		6
<i>Free Electives</i>		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
SCIF1001 Advancing Science		6
<i>Free Electives</i>		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
MATS2001 Physical Properties of Materials		6
MATS2003 Materials Characterisation		6
<i>Free Electives</i>		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
MATS2004 Mechanical Behaviour of Materials	MATS1192	6
MATS2008 Thermodynamics and Phase Equilibria		6
<i>Free Electives</i>		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits

MATS2009 Transport Processes in Materials Engineering		6
SCIF2001 Level 2 Research Skills	SCIF1001	6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
MATS3001 Micromechanisms of Mechanical Behaviour of Metals	MATS2003, MATS2004	6
MATS3002 Fundamentals of Ceramic Processing	MATS2008, MATS2003	6
<i>Free Electives</i>		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
MATS3004 Polymer Science and Engineering 1		6
<i>Free Electives</i>		6
<i>General Education</i>		6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
SCIF3010 Graduation Portfolio	SCIF1001	0
<i>Level 3 Prescribed Electives</i>		6
<i>General Education</i>		6

*Lock: Students are required to take these courses within the specified semester