

**Metallurgy Program for Whyalla without Introductory Courses
(assuming students have Year 12 Maths, Physics and Chemistry)**

Course Name	Catalogue Number	Program (Electrical, Mechanical, Metallurgy)	Study in Whyalla Program (3 year schedule for Associate Degree)
Common First Year Courses			
Mathematical Methods for Engineers 1	MATH 1063	Elec, Mech, Met	Year 1, Sp2
Engineering Materials	RENG 1005	Elec, Mech, Met	Year 2, Sp2
Computer Techniques	COMP 1036	Elec, Mech, Met	Year 2, SP2
Sustainable Engineering Practice	ENGG 1003	Elec, Mech, Met	Year 1, SP2
Mathematical Methods for Engineers 2	MATH 1064	Elec, Mech, Met	Year 2, SP1
Electrical and Energy Systems	EEET 1025	Elec, Mech, Met	Year 1, SP5
Mechanics and Physics	EEET 1024	Elec, Mech, Met	Year 1, SP5
Engineering Design and Innovation	ENGG 1004	Elec, Mech, Met	Year 2, SP5
Second Year Courses			
Mechanics and Structures	CIVE 2005	Mech, Met	Year 2, SP2
Engineering Modelling	MATH 2009	Mech, Met	Year 3, SP2
Mechanical Engineering Practice N	MENG 2009	Mech, Met	Year 3, SP2
Mechanical Design Practice	MENG 2004	Mech, Met	Year 3, SP5
Fluid and Energy Engineering	MENG 2002	Mech, Met	Year 2, Sp5
Project Planning and Control	MFET 3008	Mech, Met	Year 2, SP7
Materials Chemistry	MENG 2012	Met	Year 3, SP2
Materials Characterisation	MENG 2011	Met	Year 3, SP5

Pre-requisite structure

	Area + Cat No	Course prerequisite	This course is a prerequisite for
Mathematical Methods for Engineers 1	MATH 1063	Year 12 Mathematical Studies	MATH 1064
Engineering Materials	RENG 1005	None	MENG 2004, MFET 4011, <u>RENG 3019</u> , MENG 3010, <u>MENG 3011</u> , <u>RENG 3018</u>
Computer Techniques	COMP 1036	None	
Sustainable Engineering Practice	ENGG 1003	None	None
Mathematical Methods for Engineers 2	MATH 1064	MATH 1063	MATH 2009, MENG 2008
Electrical and Energy Systems	EEET 1025	Year 12 Mathematical Studies, Year 12 Physics	None
Mechanics and Physics	EEET 1024	Year 12 Mathematical Studies Year 12 Physics	CIVE 2005, MENG 2008
Engineering Design and Innovation	ENGG 1004	None	None
Mechanics and Structures	CIVE 2005	EEET 1024	MENG 2008, MENG 2004,
Engineering Modelling	MATH 2009	MATH 1064	None
Materials Characterisation	MENG 2011	RENG 1005	<u>RENG 3019</u> , MENG 3010, <u>MENG 3011</u> , <u>RENG 3018</u>
Mechanical Engineering Practice N	MENG 2009	None	MENG 2008
Mechanics of Machines	MENG 2008	MATH 1064, EEET 1024, <i>MENG 2009</i>	None
Mechanical Design Practice	MENG 2004	RENG 1005, ,	<u>MFET 4011</u> , <u>MENG 4026</u>
Fluid and Energy Engineering	MENG 2002	None	MENG 3005,
Materials Chemistry	MENG 2012	RENG 1005	<u>RENG 3019</u> , MENG 3010, <u>MENG 3011</u> , <u>RENG 3018</u>