

Associate Degree in Applied Engineering (Renewable Energy Engineering)

(4 points / unit x 15 units = 60 points)

Year 1	BE (RE)Units of UNSW	Equivalent BE (EE/ME) Units
RE101	MATH1131 Mathematics 1A	E050 (EE201)
RE102	MATH1231 Mathematics 1B	E026 (EE302)
RE103	PHYS1121 Physics 1A	E046 (EE304)
RE104	PHYS1221 Physics 1B	G001+G002 BAE407
RE105	ENGG1000 Engineering Design	MEM09004B+ME303
RE106	ELEC1111 Elec & Telecomm Eng	BAE604
RE107	SOLA1070 Sustainable Energy	K032

Year 2	BE (RE)Units of UNSW	Equivalent BE (EE/ME) Units
RE201	ELEC1111 Elec & Telecomm Eng	BAE607
RE202	MATH2089 Numerical Methods & Statistics	Maths 302 Elementary Linear Algebra Maths 401 Continuous Distributions Maths 402 Discrete Distributions Maths 501 Introduction to Probability
RE203	MATS1101 Engineering Materials and Chem	E081 ME 103 Engineering Mechanics ME 207 Chemical Thermodynamics ME 209 Introduction-to-polymer-science-and-technology
RE204	SOLA2051 Project in PV and SE 1 SOLA2052 Project in PV and SE 2	G069+G070+EE309
RE205	SOLA2053 Sust. & Renew. En. Tech	4291K+EE308
RE206	SOLA2060 Intro to Elec Devices	H025+H011+H045 EE115+EE116
RE207	SOLA2540 Applied PV	K025 +EE117
RE208	Project Presentation	

Bachelor of Applied Engineering (Renewable Energy Engineering)

(4 points / unit x 15 units = 60 points+ Thesis)

Year 3	BE (RE)Units of UNSW	Equivalent BE (EE/ME) Units
RE301	SOLA3010 Low Energy Buildings and PV	K041+E047+EE307
RE302	SOLA3020 PV Technology & Manufacturing	Additional Solar Notes+ME205
RE303	COMP3111 Software Engineering	BAE603
RE304	ELEC2133 Analogue Electronics	BAE408
RE305	ELEC4614 Power Electronics	H026+ EE208+EE209
RE306	ELEC3115 Electromagnetic Engineering	BAE407
RE307	ELEC2134 Circuits and Signals	G048+E025+ BAE405
RE308	ELEC3114 Control Systems	BAE502+BAE503

Year 4	BE (RE)Units of UNSW	Equivalent BE (EE/ME) Units
RE401	MMAN2600 Fluid Mechanics	ME201+ME204
RE402	MMAN2700 Thermodynamics	ME102
RE403	MECH9620 Computational Fluid Dynamics	ME301
RE404	ELEC4122 Strategic Leadership & Ethics	BAE605
RE405	SOLA4012 Grid-Connect PV Syst	K035+EE308
RE406	SOLA5053 Wind Energy Converters	ME202 ME234
RE407	SOLA5055 Semiconductor Devices	RIT-EE407
RE408	Thesis	