



**GRADUATE CERTIFICATE IN ENGINEERING**

***RENEWABLE ENERGY***

**CERTIFICATE CHECKLIST**

School of Engineering

STUDENT NAME \_\_\_\_\_ SCU ID# \_\_\_\_\_

**REQUIRED COURSES (POWER SYSTEMS - 9 UNITS)**

Course #	Title	Term Taken	Grade	Units	Units Taken
ELEN 280 / MECH 287	Introduction to Alternative Energy Systems			2	
ELEN 281A	Power Systems: Generation			3	
ELEN 285	Introduction to the Smart Grid			2	
ELEN 287	Energy Storage Systems			2	

**RENEWABLE ENERGY (Choose any 4 units)**

Course #	Title	Term Taken	Grade	Units	Units Taken
ELEN 282	Photovoltaic Devices and Systems			2	
ELEN 284	Design and Fabrication of Photovoltaic Cells			2	
ELEN/MECH 286	Introduction to Wind Energy Engineering			2	

**SUSTAINABILITY (Choose any 4 units)**

Course #	Title	Term Taken	Grade	Units	Units Taken
CENG 208	Engineering Economics & Project Finance			3	
ENGR 272	Energy Public Policy			2	
ENGR 273	Sustainable Energy & Ethics			2	

G.P.A. \_\_\_\_\_ GRE test requirement for admission to the degree program

GRE required       GRE waived

Chair's Signature .....

Date .....