



# DEPARTMENT OF ELECTRICAL ENGINEERING MICROWAVE AND ANTENNAS CERTIFICATE CHECKLIST

School of Engineering

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

The certificate requires 16 units: Two required courses (4 units) and 12 units of elective courses.

**REQUIRED COURSES (4 UNITS)**

Course #	Title	Term Taken	Grade	Units	Units Taken
ELEN 201	Electromagnetic Field Theory I			2	
ELEN 701	Microwave System Architecture			2	

**ELECTIVE COURSES (12 UNITS)**

ELEN 202	Electromagnetic Field Theory II			2	
ELEN 351	RF Integrated Circuit Design			2	
ELEN 354	Advanced RFIC Design			2	
ELEN 624	Signal Integrity in IC and PCB Systems			2	
ELEN 705	Computer-Aided Design for Microwaves			2	
ELEN 706	Microwave Circuit Analysis and Design			2	
ELEN 711	Active Microwave Devices I			2	
ELEN 712	Active Microwave Devices II			2	
ELEN 715	Antennas I			2	
ELEN 716	Antennas II			2	
ELEN 726	Microwave Measurements, Theory and Techniques			3	
<b>TOTAL</b>					

G.P.A. .... GRE test requirement for admission to the MSEE degree program  
 GRE required                       GRE waived

**Chair's Signature** .....

**Date** .....