



**DEPARTMENT OF MECHANICAL ENGINEERING**

***THERMOFLUIDS***

**CERTIFICATE CHECKLIST**

School of Engineering

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

**REQUIRED COURSES (12 Units):**

Course #	Title	Term Taken	Grade	Units	Units Taken
MECH 228	Equilibrium Thermodynamics			2	
MECH 236	Conduction Heat Transfer			2	
MECH 238	Convective Heat & Mass Transfer I			2	
MECH 240	Radiation Heat Transfer I			2	
MECH 266	Fundamentals of Fluid Mechanics			2	
MECH 270	Viscous Flow I			2	

**ELECTIVES COURSES (select any 4 units)**

MECH 202	Mathematical Methods in Mechanical Engineering			2	
MECH 225	Gas Dynamics I			2	
MECH 226	Gas Dynamics II			2	
MECH 230	Statistical Thermodynamics			2	
MECH 239	Convective Heat Transfer II			2	
MECH 241	Radiation Heat Transfer II			2	
MECH 242	Nanoscale Heat Transfer			2	
MECH 268	Computational Fluid Mechanics I			2	
MECH 269	Computational Fluid Mechanics II			2	
MECH 271	Viscous Flow II			2	
MECH 288	Energy Conversion I			2	
MECH 289	Energy Conversion II			2	
	<b>TOTAL</b>				

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

GRE required       GRE waived

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

**Date** .....