



School of Engineering

DEPARTMENT OF COMPUTER ENGINEERING

**ADVANCED STUDIES IN
SOFTWARE ENGINEERING**

CERTIFICATE CHECKLIST

STUDENT NAME _____ SCU ID# _____

REQUIRED COURSES (10 Units)

Course #	Title	Term Taken	Grade	Units	Units Taken
COEN 286	Software Quality Assurance and Testing			2	
COEN 287	Software Development Process Management			2	
COEN 385	Formal Methods in Software Engineering			2	
COEN 386	Software Architecture			2	
COEN 485	Software Engineering Capstone			2	

ELECTIVE COURSES (select any 6 units)

COEN 261	Structure and Interpretation of Computer Programs			2	
COEN 275	Object-Oriented Analysis and Design			4	
COEN 276	Software Tools Design			4	
COEN 277	Graphical User Interface Design and Programming			2	
COEN 388	Principles of Computer-Aided Engineering Design			2	
EMGT 332	Software Engineering Economics			2	
EMGT 339	Quality Issues in Managing Software			2	
EMGT 341	Software Project Metrics			2	
	TOTAL				

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

GRE required GRE waived

Chair's Signature

Date