STUDENT NAME _____ **STUDENT ID** _____

DEPARTMENT OF CHEMISTRY & PHYSICS

CHECK SHEET FOR **PHYSICS** MAJORS WITH A **NUCLEAR SCIENCE** CONCENTRATION

CORE CURRICULUM - 60 HOURS				
	COURSE	SEM	HRS	GRADE
AREA A	ENGL 1101 COLLEGE COMPOSITION I		3	
	ENGL 1102 COLLEGE COMPOSITION II		3	
	MATH 1113 PRE-CALCULUS		3	
AREA B	INOR 1000 INQUIRY		1	
	COMM 1100 FUND OF HUMAN COMMUNICATION		3	
AREA C	**Choose two (must be from different disciplines)**			
	ARAB 1001/1002/2001/2002, ART 2010, CHNS 1001/1002/2001/2002, ENGL 2121/2122/2130, FILM 1100, FREN 1001/1002/2001/2002, GRMN 1001/1002/2001/2002, HUMN 2010, MUSI 2320, PHIL 2010/2020/2030, SPAN 1001/1002/2001/2002, THEA 1100		3	
			3	
AREA D	CHEM 1211/1211L PRINCIPLES OF CHEMISTRY I/LAB		3 / 1	
	CHEM 1212/1212L PRINCIPLES OF CHEMISTRY II/LAB		3 / 1	
	MATH 2011 CALCULUS I		4	
AREA E	POLS 1101 AMERICAN GOVERNMENT		3	
	HIST 2111 or 2112 US HISTORY		3	
	PSYC 1101 or SOCI 1101 or ANTH 2011 or ECON 1810		3	
	Area E elective - choose one			
	ANTH 1102/2011, ECON 1810/2105/2106, GEOG 1111, HIST 2111/2112, PHIL 2010, POLS 2401, PSYC 1101/1103/2150, SOCI 1101/1103/1160/2241		3	
AREA F	PHYS 2211 PRINCIPLES OF PHYSICS I		4	
	PHYS 2212 PRINCIPLES OF PHYSICS II		4	
	MATH 2012 CALCULUS II		4	
	MATH 2013 CALCULUS III		4	
	CSCI 1301 - PRINCIPLES OF COMPUTER PROG I ***or*** ENGR 2060 - PROG. FOR SCI. & ENGINEERING		4	

TOTAL CORE CURRICULUM HOURS _____

FREE ELECTIVES	SEM	HRS	GRADE

TOTAL FREE ELECTIVE HOURS _____

WELLNESS REQUIREMENTS - 4 HOURS	SEM	HRS	GRADE
WELL 1000		2	
WELL Activity		1	
WELL Activity		1	

TOTAL WELLNESS HOURS _____

NON-CORE REQUIREMENT	SEM	HRS	GRADE
MATH 3020 DIFFERENTIAL EQUATIONS		3	

MAJOR CONCENTRATION COURSES	SEM	HRS	GRADE
PHYS 3000 INTRODUCTION TO NUCLEAR SCIENCE		3	
PHYS 3010 INTRODUCTION TO NUCLEAR MEASUREMENTS		3	
PHYS 3011 ELECTRONICS I		4	
PHYS 3020 APPLICATIONS OF NUCLEAR SCIENCE		4	
PHYS 3250 THEORETICAL MECHANICS		4	
PHYS 3300 MODERN PHYSICS		3	
PHYS 4010 ADVANCED LABORATORY		3	
PHYS 4051 ELECTROMAGNETIC THEORY I		3	
PHYS 4310 THERMAL PHYSICS		3	

TOTAL NON-CORE & MAJOR CONCENTRATION HOURS _____

MAJOR UPPER LEVEL ELECTIVES With assistance of advisor, select a minimum of 7 hours from the following: PHYS 3012/3260*/3990/4052/4530*/4600*/3990/4900 **Maximum of 3 hours total from 3990 & 4990**	SEM	HRS	GRADE

*Courses marked with an asterisk are recommended for students who intend to pursue graduate studies in health physics.

TOTAL MAJOR UPPER LEVEL ELECTIVE HOURS _____

TOTAL HOURS _____

A grade of "C" or better is required in areas A and F, as well as all courses used for the Major and Minor (if a Minor is required).

Additional requirements for graduation with this degree:

_____30 hours of 3000/4000 level courses at AU

_____Half of major courses at AU

_____Total hours must equal 124

_____Departmental Exit Exam