

DEPARTMENT OF CHEMISTRY & PHYSICS
CHECK SHEET FOR CHEMISTRY 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 I		3	
	MATH 1113 PRE-CALCULUS		3	
	INQR 1000 INQUIRY		1	
AREA B	COMM 1100 FUND OF HUMAN COMMUNICATION		3	
	Choose two (must be from different disciplines)			
AREA C	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	
	MATH 2011 CALCULUS I		4	
AREA D	Choose one sequence of 2 courses			
	BIOL 1107/L & BIOL 1108/L or PHYS 1111/L & PHYS 1112/L or PHYS 2211 & PHYS 2212		3	1
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	CHEM 1211/1211L PRINCIPLES OF CHEMISTRY I/LAB		3	1
	CHEM 1212/1212L PRINCIPLES OF CHEMISTRY II/LAB		3	1
	CHEM 2810 QUANTATIVE ANALYSIS		5	
	Option 1- if using BIOL 1107/1108 sequence in area D			
	PHYS 1111/L or PHYS 2211			
	PHYS 1112/L or PHYS 2212			
	MATH 2012 or MATH 2210		3 - 4	
	Option 2- if using PHYS sequence in area D			
MATH 2012 CALCULUS II		4		

TOTAL CORE CURRICULUM HOURS _____

ELECTIVES	SEM	HRS	GRADE

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

TOTAL WELLNESS HOURS _____

MAJOR CONCENTRATION COURSES			
	SEM	HRS	GRADE
CHEM 3000 INTRODUCTION TO NUCLEAR SCIENCE		3	
CHEM 3010 INTRODUCTION TO NUCLEAR MEASUREMENTS		3	
CHEM 3020 APPLICATION OF NUCLEAR SCIENCE		3	
CHEM 3411 ORGANIC CHEMISTRY I		4	
CHEM 3412 ORGANIC CHEMISTRY II		4	
CHEM 3721 PHYSICAL CHEMISTRY I		3	
CHEM 3723 PHYSICAL CHEMISTRY LABORATORY		1	
CHEM 3820 LABORATORY MANAGEMENT & SAFETY		2	
CHEM 4210 ADVANCED INORGANIC CHEMISTRY		3	
CHEM 4700 INTEGRATED LABORATORY		3	
CHEM 4800 ADVANCED SEMINAR		1	
CHEM 4840 INSTRUMENTAL ANALYSIS		4	

TOTAL MAJOR CONCENTRATION HOURS _____

MAJOR ELECTIVES - 9 HOURS			
Choose from: MA1H 2012/3020/4251, PHYS 3300/4600, BIOL 4100, BIOL Envir. Toxicology, and any CHEM courses numbered 3000 or higher	SEM	HRS	GRADE

3 HRS MAX 3990/4990/4993 RESEARCH CREDIT FOR THIS CATEGORY; ADDITIONAL RESEARCH HOURS CAN BE USED TO FILL IN FREE ELECTIVE HOURS

TOTAL MINOR CONCENTRATION/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