

**DEPARTMENT OF CHEMISTRY & PHYSICS**  
CHECK SHEET FOR **CHEMISTRY** MAJORS WITH A **BIOCHEMISTRY** 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	
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	
AREA D	BIOL 1107/1107L PRINCIPLES OF BIOLOGY I/LAB		3	1
	BIOL 1108/1108L PRINCIPLES OF BIOLOGY II/LAB		3	1
AREA E	MATH 2011 CALCULUS I		4	
	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 F	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
	PHYS 1111/1111L INTRODUCTORY PHYSICS I/LAB		3	1
	PHYS 1112/1112L INTRODUCTORY PHYSICS II/LAB		3	1
	CHEM 2810 QUANTATIVE ANALYSIS		5	

**TOTAL CORE CURRICULUM HOURS** \_\_\_\_\_

FREE ELECTIVES	SEM	HRS	GRADE

**TOTAL FREE ELECTIVE HOURS** \_\_\_\_\_

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

**TOTAL WELLNESS HOURS** \_\_\_\_\_

MAJOR CONCENTRATION COURSES	SEM	HRS	GRADE
CHEM 3411 ORGANIC CHEMISTRY I		4	
CHEM 3412 ORGANIC CHEMISTRY II		4	
CHEM 3721 PHYSICAL CHEMISTRY I		3	
CHEM 3820 LABORATORY MANAGEMENT & SAFETY		2	
CHEM 4210 ADVANCED INORGANIC CHEMISTRY		3	
CHEM 4450 - ADVANCED ORGANIC CHEMISTRY (SYNTHESIS) <i>OR</i> CHEM 4460 - ADVANCED ORGANIC CHEMISTRY (MECHANISMS)		3	
CHEM 4551 BIOCHEMISTRY I		3	
CHEM 4552 BIOCHEMISTRY II		3	
CHEM 4553 BIOCHEMISTRY LABORATORY		1	
CHEM 4700 INTEGRATED LABORATORY		3	
CHEM 4800 ADVANCED SEMINAR		1	
CHEM 4840 INSTRUMENTAL ANALYSIS		4	

**TOTAL MAJOR CONCENTRATION HOURS** \_\_\_\_\_

MINOR CONCENTRATION/UPPER LEVEL ELECTIVES - 15-18 HRS	SEM	HRS	GRADE

*3 HRS MAX 3990/4990/4993 RESEARCH CREDIT FOR THIS CATEGORY; ADDITIONAL RESEARCH HOURS CAN BE USED TO FULFILL 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