ARIZONA STATE UNIVERSITY CURRICULUM CHECKSHEET

B.S. CLINICAL LABORATORY SCIENCES 2006-2007

I.

AGEO	C Certifica	ation	\square YES	□ NO			
satisfy appro	y a maxim ved for m	num of tw ore than c	o awareness area one core area. Cou	ne core area and a maximum of two awareness area requirements. requirements. A single course cannot be used to satisfy two core a urses approved for meeting General Studies requirements are noted is each academic term. Refer to the General Catalog for more inform	reas of requirements, even if it is n the General Catalog, the course		
A.	<u>First-Year Composition</u> (grade of "C" or higher is required):						
		ENG	101 and 102; or E	ENG 105; or ENG 107 and 108 for foreign students			
В.	Core .	<u>Core Areas</u> (35 hours)					
	1.	1. Literacy and Critical Inquiry (L) (6 hrs) (3 hours upper division required)					
		L: L:	<u>CLS</u> 450 (21	hrs) and <u>CLS</u> 460 (1 hr) (Upper Division courses in major)			
	2. Mathematical Studies (MA/CS) (6 hrs)						
		MA:	Mathematics	MAT 142 or higher () (grade of "C" or higher is required)			
		CS:	Computer/Stat	tistics/Quantitative Applications ()			
	3.	HU:	Humanities a () ()	and Fine Arts (6-9 hrs))))			
	4.	SB:	Social and Be ()	ehavioral Sciences (6-9 hrs))))			
	5.		ral Sciences (SQ/S				
				Gen Chem with Qual Anal (5) Gen Biology (4)			
	C.	Awarene	ess Areas:				
		1.	Cultural Diversi	ity in the United States			
			C:	()			
		2.	Global Awarene	ess			
			G:	()			
		3.	Historical Assum	reness			
		3.	Historical Awar	TCHC55			

II.	COLLEGE GRADUATION REQUIREMENTS:					
	A.	6 credits (two courses) of "Science and Society" courses				
		()				
	B.	MAT 142 or higher (with a grade of "C" or higher)				
III.	MAJO	R				
	A. l	Requirements: A grade of C or better must be achieved in all courses 300 level or higher to be counted for the major.				
		CLS 100 Introduction to Clinical Laboratory Sciences (1)				
		CLS 310 ** Principles of Clinical Chemistry (6)				
		CLS 320 ** Principles of Clinical Microbiology (6)				
	_	CLS 330 ** Principles of Clinical Hematology I/Body Fluids (3)				
	_	CLS 430 ** Principles of Clinical Hematology II/Hemostasis (3)				
		CLS 440 ** Principles of Clinical Immunology / Immunohematology (4)				
		CLS 411 ** Advanced Applications of Clinical Chemistry (4)				
		CLS 421 ** Advanced Applications of Clinical Microbiology (4)				
	-	CLS 431 ** Advanced Applications of Clinical Hematology (4)				
	-	CLS 441 ** Advanced Applications of Clinical Immunology / Immunohematology (3)				
	-	CLS 450 ** Principles of Clinical Laboratory Administration (2) CLS 460 ** Principles of Clinical Laboratory Education (1)				
	-	CLS 460 ** Principles of Clinical Laboratory Education (1)				
	•	Registration for all CLS courses, with the exception of CLS 100, is dependent upon acceptance of the student into the accredited Clinical Laboratory Sciences Professional Study Program. It is the student's responsibility to make application. <u>ASU does NOT guarantee acceptance to the Professional Study Program</u> . If not accepted, the student can normally complete a B.S. in Microbiology or Biology in the same period of time required for the professional study program.				
	В.	Required Related Courses				
		MIC 205 * Microbiology (3)				
	_	MIC 206 * Microbiology Laboratory (1)				
	_	CHM 231 & 235 Elementary Organic Chemistry (3) and Lab (1)				
	_	BIO 360 ** Animal Physiology (3)				
	-	BCH 361 * Principles of Biochemistry (3)				
	:	* These courses must have been completed within the seven years prior to admission to the Professional Study Program. See advisor for options. Minimum grade of C required for entrance into the Professional Study				
	:	Program. ** Minimum grade of C required for entrance into the Professional Study Program.				
IV.	GENE	RAL ELECTIVES				
		s <u>must</u> consult the Clinical Laboratory Sciences advisor to select these courses.				

V. ADDITIONAL UNIVERSITY DEGREE REQUIREMENTS

- A. Minimum of 120 semester hours required.
- B. Minimum of 45 semester hours in upper division courses are required.
- C. Minimum Cumulative GPA must be 2.00 for courses taken at A.S.U.
- D. Minimum of 30 semester hours earned in resident credit courses at A.S.U. Main.

Material in this checksheet is subject to change. Consult the Clinical Laboratory Sciences advisor for any changes.

ARIZONA STATE UNIVERSITY B.S. CLINICAL LABORATORY SCIENCES SUGGESTED SCHEDULE							
FRESHMAN YEAR							
FALL SEMESTER	SPRING SEMESTER						
ENG 101 English 3 MA (MAT 142 or higher) 3 BIO 187 General Biology 4 CLS 100 Intro to Clinical Lab Sciences (Fall only) 1 Humanities and Fine Arts (HU) 3 14	ENG 102 English 3 CHM 113 General Chemistry 4 BIO 188 General Biology 4 Social and Behavioral Sciences (SB) 3 14						
SOPHOMORE YEAR							
FALL SEMESTER CHM 115 Gen Chem with Qual Anal 5 MIC 205 Microbiology 3 MIC 206 Microbiology Lab 1 Humanities and Fine Arts (HU) 3 Social and Behavioral Sciences (SB) 3 15	Elective 3 CHM 231 Elem Organic Chemistry 3 CHM 235 Elem Organic Chem Lab 1 BIO 360 Animal Physiology 3 CS (Mathematical Studies Requirement) 3 CLAS Science and Society (upper division) 3 16						
JUNIOR YEAR							
FALL SEMESTER (9 credits upper division)	SPRING SEMESTER (12 credits upper division)						
BCH 361 Principles of Biochemistry 3 CLAS Science and Society (upper division) 3 Humanities or Social Science (upper division HU or SB) 3 Literacy and Critical Inquiry (L) 3 Two electives (3 credits each) 6 18	CLS 310** Prin of Clinical Chemistry 6 CLS 320** Prin of Clinical Microbiology 6 12						
COMMENT: Apply for Professional Study Program at beginning of Fall semester.							
SENIOR YEAR (32-34 credits upper division)							
Summer Sessions, Fall Semester, Spring Semester. The remainder of the CLS courses are offered during this 12 month period.							
CLS Electives 4–6							
CLS 330** Prin of Clin Hematology I / Body Fluids 3 CLS 430** Prin of Clin Hematology II / Hemostasis 3 CLS 440** Prin of Clin Immuno/ Immunohem 4	CLS 411** Adv Applic of Clin Chemistry 4 CLS 421** Adv Applic of Clin Microbiology 4 CLS 431** Adv Applic of Clin Hematology 4 CLS 441** Adv Applic of Clin Immuno/ Immunohem 3 CLS 450** Prin of Clinical Lab Administration (L) 2 CLS 460** Prin of Clinical Laboratory Education (L) 1						
** This is a 16 month Clinical Laboratory Sciences Professional Study Program. Summer sessions are included. Registration for all CLS courses, with the exception of CLS 100, is dependent upon acceptance of student into the Clinical Laboratory							

Note: Awareness areas should be completed simultaneously with HU/SB requirements.

Sciences Professional Study Program. ASU does NOT guarantee acceptance to this program.

Summer and winter sessions are also available. Thus, students can complete some requirements during these sessions in their first two years.