ARIZONA STATE UNIVERSITY CURRICULUM CHECKSHEET

B.S. CLINICAL LABORATORY SCIENCES 2004-2005

A single course may be used to satisfy one core area and a maximum of two awareness area requirements. A single

G NO

I. UNIVERSITY GENERAL STUDIES REQUIREMENTS

G YES

AGEC Certification

satisfy meeting	two core g General	areas of Studies	tisfy a maximum of two awareness area requirements. A single course cannot be use requirements, even if it is approved for more than one core area. Courses approve requirements are noted in the General Catalog, the course descriptions, and in the Scherm. Refer to the General Catalog for more information/explanation.	ed for						
A.	First-Ye	First-Year Composition (grade of "C" or higher is required):								
		<u>ENG</u> 10	01 and 102; or ENG 105; or ENG 107 and 108 for foreign students							
В.	<u>Core Areas</u> (35 hours)									
	1.	Literac	Literacy and Critical Inquiry (L) (6 hrs) (3 hours upper division required)							
		L: L:	() () ()							
	2.	Mathematical Studies (MA/CS) (6 hrs)								
		MA:	Mathematics MAT 117 or higher (required for CLS majors) () (grade of "C" or higher is required)							
		CS:	Computer/Statistics/Quantitative Applications ()							
	Humanities and Fine Arts (HU) and Social and Behavioral Sciences (SB): Fifteen hours, combined requirement - six hours in one area and nine hours in the other. Three hours must be upper division.									
	3.	HU:	Humanities and Fine Arts (6-9 hrs)							
	4.	SB:	Social and Behavioral Sciences (6-9 hrs)							
	5.	Natural	Sciences (SQ/SG) (8 hrs)							
			HM 115 Gen Chem with Qual Anal (5) IO 187 Gen Biology (4)							

ASB 240 ASB 462 GPH 314 HST 460 **REL 382 ASB 326** BIO 311 HPS 322 **HUM 420 REL 390 HPS 330 REL 480 ASB 353 ENG 312** PLB 320 GCU 344 HPS 331 **REL 379** MIC 394 (Disease & AIDS in America) (East also) () Natural Sciences and Mathematics (two courses of at least 3 semester hours each) These requirements are fulfilled in Major Required Related Courses.

E.

F.

MAT 117 or higher (with a grade of "C" or higher)

III. MAJOR

IV.

	_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)
	student ir responsib <u>Program</u> .	nto the oility to If no	or all CLS courses, with the exception of CLS 100, is dependent upon acceptance of the exceedited Clinical Laboratory Sciences Professional Study Program. It is the student's to make application. <u>ASU does NOT guarantee acceptance to the Professional Study</u> of accepted, the student can normally complete a B.S. in Microbiology or Biology in the time required for the professional study program.
. Requ	student ir responsib <u>Program</u> .	nto the oility to If no iod of	e accredited Clinical Laboratory Sciences Professional Study Program. It is the student's to make application. <u>ASU does NOT guarantee acceptance to the Professional Study</u> of accepted, the student can normally complete a B.S. in Microbiology or Biology in the time required for the professional study program.
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	student ir responsib <u>Program.</u> same peri ired Related (nto the bility of the first the firs	e accredited Clinical Laboratory Sciences Professional Study Program. It is the student's to make application. ASU does NOT guarantee acceptance to the Professional Study of accepted, the student can normally complete a B.S. in Microbiology or Biology in the time required for the professional study program. Microbiology (3) Microbiology Laboratory (1) Elementary Organic Chemistry (3) and Lab (1)
	student ir responsib Program. same peri ired Related of MIC 205 MIC 206 CHM 231 & BIO 360	nto the bility of the first the firs	e accredited Clinical Laboratory Sciences Professional Study Program. It is the student's to make application. ASU does NOT guarantee acceptance to the Professional Study of accepted, the student can normally complete a B.S. in Microbiology or Biology in the time required for the professional study program. Microbiology (3) Microbiology (3) Microbiology Laboratory (1) Elementary Organic Chemistry (3) and Lab (1) Animal Physiology (3)
	student ir responsib <u>Program.</u> same peri ired Related of _MIC 205 _MIC 206 _CHM 231 &	onto the bility of If no iod of Cours * * * * * * * * * * * * * * * * * *	e accredited Clinical Laboratory Sciences Professional Study Program. It is the student's to make application. ASU does NOT guarantee acceptance to the Professional Study of accepted, the student can normally complete a B.S. in Microbiology or Biology in the time required for the professional study program. Microbiology (3) Microbiology Laboratory (1) Elementary Organic Chemistry (3) and Lab (1)
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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 SEMES	<u>rer</u>	SPRIN	SPRING SEMESTER			
ENG 101 CHM 113 BIO 187 CLS 100 Humanities (HU	English General Chemistry General Biology Intro to Clinical Lab Sciences J)	3 4 4 1 3 15	ENG CHM BIO MAT	102 115 188 117	English Gen Chem with Qual Anal General Biology College Algebra	
SOPHOMORI	E YEAR					
FALL SEMES	Γ <u>ER</u>	SPRIN	SPRING SEMESTER			
CHM 231 CHM 235 MIC 205 MIC 206	Elem Organic Chemistry Elem Organic Chem Lab Microbiology Microbiology Lab	3 1 3	Foreign BIO 36	n Languaş	ge Animal Physiology	
Humanities (HI Social Science Social Science	J) (SB)	3 3 3 17	Social S	Humanities Social Science		
JUNIOR YEA	R		Social	Science		
FALL SEMES			SPRIN	SPRING SEMESTER		
Bridge Course	Principles of Biochemistry Social Science (HU or SB) cal Studies Requirement)	3 3 3 3 3	CLS CLS	310** 320**	Prin of Clinical Chemistry Prin of Clinical Microbiology	
<u>COMMENT</u> :	Apply for Professional Study Program a					
SENIOR YEA	R					
Summer Sessio	ns, Fall Semester, Spring Semester. The re	mainder of the CLS courses	are offered d	uring this	s 12 month period.	
CLS 330**	Prin of Clinical Hematology I / Body Fluids	3	CLS CLS	411** 421**	Adv Applic of Clinical Chemist Adv Applic of Clinical	
CLS 430**	Prin of Clinical Hematology II / Hemostasis	3	CLS	421	Adv Applie of Chilical	
CLS 440** CLS 450**	2,	ematology 2	4			
course	a 16 month Clinical Laboratory Science P s, with the exception of CLS 100, is depend Program. ASU does NOT guarantee accep	lent upon acceptance of stud				