

C. Awareness Areas:

1. Cultural Diversity in the United States

C: _____ ()

2. Global Awareness

G: _____ ()

3. Historical Awareness

H: _____ ()

II. COLLEGE GRADUATION REQUIREMENTS: You cannot cross-list (double count) courses from the College Graduation Requirements (Humanities, Social and Behavioral Sciences and Natural Sciences and Mathematics areas) with the University General Studies Requirements (HU, SB, SQ and SG areas). The Bridge course requirement cannot be double counted to fill any other requirements for the University or College.

A. Second Language: Completion of foreign language course work at the intermediate level (202 or equivalent for most, see catalog for greater specification), or a foreign language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite, or completion of secondary education at a school in which the language of instruction is not English, or completion of SHS 202 American Sign Language IV or its equivalent. (grade of "C" or higher is required in each course specified above)

_____ ()
_____ ()

B. Humanities (two courses of at least 3 semester hours each at the 300 level or higher):

Course prefixes: AFH, CSH, ENG (literature courses only), HUM, PHI, HPS, REL, WSH, Department of Languages & Literatures - FLA 150 or any literature or "civilization" course at the 300 level or higher.

1. _____ () (upper division)
2. _____ () (upper division)

C. Social and Behavioral Sciences (two courses of at least 3 semester hours each at the 300 level or higher):

Course prefixes: AFS, ASB, CSS, ECN, GCU, HIS, POS, PGS, SOC, WST (except for WST 413, 464 and 470)

1. _____ () (upper division)
2. _____ () (upper division)

D. Bridge Course: One course of at least three hours from currently approved bridge courses. See flyer in SS 111 for updated list. Examples are:

BIO 311	GPH 314	GPH 405	REL 379	REL 390
ENG 312	GCU 344	PLB 320	REL 382	REL 480

_____ ()

E. Natural Sciences and Mathematics (two courses of at least 3 semester hours each)

These requirements are fulfilled in Major Required Related Courses.

III. MAJOR

A. 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)

** 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. ASU does NOT guarantee acceptance to the Professional Study Program. 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.

B. 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 (4)
_____	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. GENERAL ELECTIVES

Students must 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			
<u>FALL SEMESTER</u>		<u>SPRING SEMESTER</u>	
ENG 101	English	3	
CHM 113	General Chemistry	4	ENG 102 English 3
BIO 181	General Biology	4	CHM 115 Gen Chem with Qual Anal 5
CLS 100	Intro to Clinical Lab Sciences	1	BIO 182 General Biology 4
Humanities		<u>3</u>	MAT 117 College Algebra <u>3</u>
		15	15
SOPHOMORE YEAR			
<u>FALL SEMESTER</u>		<u>SPRING SEMESTER</u>	
CHM 231	Elem Organic Chemistry	3	Foreign Language 4
CHM 235	Elem Organic Chem Lab	1	BIO 360 Animal Physiology 4
MIC 205	Microbiology	3	Humanities 3
MIC 206	Microbiology Lab	1	Social Science 3
Humanities		3	Social Science <u>3</u>
Social Science		3	17
Social Science		<u>3</u>	
		17	
JUNIOR YEAR			
<u>FALL SEMESTER</u>		<u>SPRING SEMESTER</u>	
BCH 361	Principles of Biochemistry	3	CLS 310** Prin of Clinical Chemistry 6
Humanities		3	CLS 320** Prin of Clinical Microbiology <u>6</u>
Humanities		3	12
Social Science		3	
CS (Mathematical Studies Requirement)		<u>3</u>	
		15	
<u>COMMENT:</u> Apply for Professional Study Program at beginning of Fall semester.			
SENIOR YEAR			
Summer Sessions, Fall Semester, Spring Semester. The remainder of the CLS courses are offered during this 12 month period.			
CLS 330**	Prin of Clinical Hematology I / Body Fluids	3	CLS 411** Adv Applic of Clinical Chemistry 4
CLS 430**	Prin of Clinical Hematology II / Hemostasis	3	CLS 421** Adv Applic of Clinical Microbiology 4
CLS 440**	Prin of Clinical Immunology / Immuno-hematology	4	CLS 431** Adv Applic of Clinical Hematology 4
CLS 450**	Prin of Clinical Lab Administration	2	CLS 441** Adv Applic of Clinical Immunology / Immuno-hematology 3
			CLS 460** Prin of Clinical Laboratory Education 1
** This is a 16 month Clinical Laboratory Science Professional Study Program. Summer session is included. Registration for all CLS courses, with the exception of CLS 100, is dependent upon acceptance of student into the Clinical Laboratory Sciences Professional Study Program. ASU <u>does NOT guarantee acceptance</u> to this program.			