

**DEPARTMENT OF BIOLOGY
CURRICULUM CHECKSHEET**

1998-2000 CATALOG

ARIZONA STATE UNIVERSITY

COLLEGE OF LIBERAL ARTS AND SCIENCES (CLAS)

Your catalog year:

NAME				ASU ID				ADVISOR					
DEGREE B.S.		MAJOR BIOLOGY		MINOR (IF ANY)				This checksheet is a guide to completing the appropriate coursework for this major. Please reference the catalog for specific requirements. ASU students are required to file a Declaration of Graduation before completion of 87 credit hours.					
COURSE PREFIX & NO.		Sem Hrs	✓	Upper Div.	COURSE PREFIX & NO.		Sem Hrs	✓	Upper Div.	TGECC CERTIFICATION <input type="checkbox"/> Yes <input type="checkbox"/> No			
PROFICIENCY REQUIREMENTS				MAJOR REQUIREMENTS (min 43 hr; C min req in upper division courses) 3 U.D lab courses and 1 U.D. PLB or MIC course required				UNIVERSITY GENERAL STUDIES CORE AREAS (cross-listed from left 2 columns)					
FIRST-YEAR COMPOSITION				BIO 193 or BIO 181 &		4/4							
ENG 101		3				BIO 182		4		LITERACY AND CRITICAL INQUIRY			
ENG 102		3				PLB 300 or MIC 220/206 or BIO 385 or BIO 370		4		4			
FOREIGN LANGUAGE				BIO 320 Fundamentals of Ecology				3		3		L (upper div): (Rec. PLB 300)	
101		4				BIO 340 General Genetics or BIO 341		4 (5)		4 (5)		NUMERACY	
102		4				BIO 345 Organic Evolution (prev. 445)		3		3		MA: (Calculus)	
201		4				BIO 353 Cell Biology		3		3		CS: (rec. BIO 415 or BIO 406)	
202		4				PLB 308 or MIC 360 or BIO 360		4		4			
MATHEMATICS				14 - 18 hours U.D. BIO/PLB/MIC				HUMANITIES/FINE ARTS (3 or 2 from dist.)					
MAT						to total 43 major credit hours				(Usually satisfied by CLAS req. - see catalog)			
MAT 210 (or any calculus)		3											
PROFICIENCY TOTALS													
DISTRIBUTION REQUIREMENTS (CLAS)								SOCIAL/BEHAVIORAL (2 or 3 from dist.)					
HUMANITIES (5, at least 3 from CLAS depts., min 2 CLAS U.D.)								(Usually satisfied by CLAS req. - see catalog)					
1.		3											
2.		3				MAJOR TOTALS							
3.		3				RELATED FIELDS =Required Supplementary Courses							
4.		3		3		CHM 113		4		SCIENCES			
5.		3		3		CHM 115		5		(satisfied by supplemental requirements of major)			
SOCIAL/BEHAVIORAL (5, from 2 or 3 CLAS depts., min 2 U.D.)				CHM 231,235 or 331,332, 335, 336				4/8					
1.		3				PHY 101 or 111, 112, 113, 114		4/8		UNIVERSITY GENERAL STUDIES AWARENESS AREAS (min. 6 credits in 3 areas)			
2.		3								CULTURAL DIVERSITY			
3.		3								GLOBAL (For Lang. 201 or 202 may satisfy)			
4.		3		3		ELECTIVES				HISTORICAL			
5.		3		3									
DISTRIBUTION TOTALS								SEMESTER HOUR TALLY					
								HRS		UD			
								PROFICIENCY TOTALS					
								DISTRIBUTION TOTALS					
ELECTIVES								ELECTIVES TOTALS					
								MAJOR TOTALS					
								TOTAL SEM. HRS (min. 120)					
								TOTAL UPPER DIVISION (min 45)					
								ADDITIONAL REQUIREMENTS:					
								30 HOURS AT ASU		_____			
								2.00 GPA Minimum		_____			

CORE COURSES

BIO 193 (4) ___ The Nature of Biological Sciences
OR
BIO 181 (4) ___ General Biology
BIO 182 (4) ___ General Biology

At least ONE of the following biodiversity courses:

PLB 300 (4) ___ Survey of the Plant Kingdom
MIC 220 (3) ___ Biology of Microorganisms
and MIC 206 (1) ___ Microbiology Lab
BIO 385 (4) ___ Comparative Invertebrate Zoology
BIO 370 (4) ___ Vertebrate Zoology

BIO 320 (3) ___ Fundamentals of Ecology
BIO 340 (4) ___ General Genetics
BIO 345 (3) ___ Organic Evolution (formerly BIO 445)
BIO 353 (3) ___ Cell Biology

At least ONE of the following physiology courses :

PLB 308 (4) ___ Plant Physiology
MIC 360 (4) ___ Bacterial Physiology
BIO 360 (4) ___ Basic Physiology

PREREQUISITES

no prerequisites

no prerequisites, CHM 113 & 115 recommended
BIO 181

BIO 100 or BIO 182 or BOT 108 or equivalent
BIO 182; CHM 115 – pre- or corequisites
BIO 100 (or BOT 108) and CHM 101 or Instr Appr
BIO 182 or Instr Appr
BIO 182

BIO 182 or Instr Appr
BIO 182
BIO 182
BIO 182

BIO 182; CHM 101 or 115 or 231
MIC 220 pre- or corequisite; CHM 361 or Instr Appr
BIO 182; CHM 115; MAT 117

ELECTIVES 13-18 hours of upper division BIO/PLB/MIC or approved BCH to complete the required 43 hours in the major. Coursework must include at least 3 upper division lab courses and 1 upper division course from PLB or MIC.

RELATED COURSES

CHM 113 (4) ___ General Chemistry
CHM 115 (5) ___ General Chemistry with Qualitative Analysis

CHM 231(3) ___ & 235(1) ___ Elementary Organic Chemistry & Lab
OR
CHM 331(3) ___ & 335 (1) ___ General Organic Chemistry & Lab
CHM 332(3) ___ & 336 (1) ___ General Organic Chemistry & Lab

PHY 101 (4) ___ Introduction to Physics with lab
OR
PHY 111 (3) ___ & 113 (1) ___ General Physics & Lab
PHY 112 (3) ___ & 114 (1) ___ General Physics & Lab

CLAS DISTRIBUTION REQUIREMENTS

HUMANITIES

At least 9 of the 15 required hours must come from the following departments. 6 hours must be upper division (300 level or higher): AFH*, CSH, ENG (Literature courses only), HUM, PHI, HPS, REL, WST** (WST 413, 464, 470 only), Department of Languages & Literatures - FLA 150 or any upper division literature or civilization course (e.g., SPA 325). The remaining 6 hours may come from the prefixes listed above or any of the following departments: APH, ARS, DAH, HML, MUS, THE, HON (171 only). Note: no studio or performance classes.

SOCIAL AND BEHAVIORAL SCIENCES

The 15 required hours must be taken from at least two but from no more than three of the following departments. Six hours must be upper division: AFS, ASB, CSS, ECN, GCU, HIS, HON (172 only), POS, PGS, SOC, WST** (not WST 413, 464, 470).