

**Biology Curriculum Check Sheet 2000-2001 Catalog Year** Date: \_\_\_\_\_

Name (Last, First MI): \_\_\_\_\_ ASU ID: \_\_\_\_\_ Advisor: \_\_\_\_\_

30 hours at ASU main  12 UD hours in the major at ASU main  60 hours at ASU main to graduate with honors  **Student Initials:** \_\_\_\_\_

<p><b>UNIVERSITY GENERAL STUDIES</b></p> <p>AGEC or TGECC CERTIFICATION YES <input type="checkbox"/> NO <input type="checkbox"/></p>	<p><b>COLLEGE GRADUATION REQUIREMENTS</b></p> <p>You can <b>NOT</b> cross-list (double count) courses from the College Graduation Humanities, Social and Behavioral Sciences and Natural Sciences and Mathematics areas with the University General Studies HU, SB, SG or SQ areas.</p>	<p><b>MAJOR REQUIREMENTS</b></p> <p>C min. required in all upper division course work. Transfer courses subject to departmental approval. Minimum 43 hrs required (3 U.D. lab courses and 1 U.D. PLB or MIC course required)</p> <p style="text-align: right;"><b>Student Initials:</b> _____</p>
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Course Prefix & No.	Hrs	✓	UD	DARS	Course Prefix & No.	Hrs	✓	UD	DARS	Course Prefix & No.	Hrs	LAB	UD	DARS
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First Year Composition (Requires C minimum)	Second Language (4 <sup>th</sup> semester Requires C minimum)	BIO 193 or BIO 181 & BIO 182	4	4/4										
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		PLB 300 or BIO 385 or BIO 370 or MIC 220/206	4											
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		BIO 320 Fundamentals of Ecology	3									3		
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	Humanities: 6 hours must be upper division (6 to 9 hours <sup>2</sup> )	BIO 340 Gen Genetics or BIO 341 Genetic Analysis	4									4		
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Literacy and Critical Inquiry		BIO 345 Organic Evolution	3									3		
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L		BIO 353 Cell Biology	3									3		
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L		PLB 308 or MIC 360 or BIO 360	4/3									4/3		
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Numeracy	Social and Behavioral Sciences: 6 hours must be upper division (6 to 9 hours <sup>2</sup> )	<b>ELECTIVES</b> 13-18 hrs UD BIO/PLB/MIC to bring total to 43 hours.		
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MA														
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CS														
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Humanities and Fine Art HU (6 to 9 hours <sup>2</sup> )														
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HU														
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HU		Natural Sciences and Mathematics (6 to 8 hours)		
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HU		Fulfilled by courses in the major.												
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Social and Behavioral Sciences (6 to 9 hours <sup>2</sup> )														
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SB														
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SB														
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SB														
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Sciences (8 hours)		<b>MAJOR TOTALS</b>		
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SQ	Fulfilled by courses in the major.	<b>RELATED FIELDS (Cross-list<sup>1</sup>)</b>		
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SQ/SG		CHM 113	4											
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Awareness Areas (Cross-list <sup>1</sup> )		CHM 115	5											
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Cultural Diversity – C <input type="checkbox"/>		CHM 231/235 or 331/335 & 332/336	4	8								8		
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Global - G <input type="checkbox"/>		PHY 101 or 111/113 & 112/114	4	8								8		
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Historical – H <input type="checkbox"/>		<b>MATH PROFICIENCY</b>		
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UNIVERSITY TOTALS														
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<b>MINOR</b> (CANNOT CROSS LIST WITH COURSES IN MAJOR <sup>1</sup> )		MAT 210 (or any calculus) C or better required.	3											
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<sup>1,2</sup> Please see the instructions and key on the back of this check sheet.

**How to use this check sheet:**

In each column list the course and prefix number that fulfills the corresponding requirement. In the appropriate column next to the course, write the number of semester credit hours. If the course is an upper division course (300 level or higher) also mark the number of credit hours in the UD column next to the course. Use the ✓ column to indicate the course has been taken.

When cross listing courses (using the same class to fulfill two requirements) take extra care not to double count the credit hours. Write the number of hours under one of the requirements, and cross out the appropriate column under the cross-listed requirement.

**Key**

Hrs = Credit hours for the course

✓ = Course completed

UD = Upper division courses (300 and above at ASU)

DARS = Degree Audit Reporting System. This column is for advisor's use only. ✓ Check if the course is already articulated into the DARS report.

**Footnote references**

<sup>1</sup> When cross listing do not count credit hours more than once.

<sup>2</sup> A total of 15 hours must be taken from both the University General Studies Humanities/Fine Arts (HU) and College Graduation Humanities areas. A total of 6 upper-division hours must be taken in CLAS Humanities. CLAS Humanities departments may differ from University General Studies HU designations. CLAS Humanities credits come only from the following departmental prefixes: AFH, CSH, ENG (Literature courses only), HUM, PHI, HPS, REL, WSH, Department of Languages & Literatures - FLA 150 or any upper division literature or civilization course (e.g., SPA 325).

A total of 15 hours must be taken from both the University General Studies (SB) and College Graduation Social/ Behavioral Sciences areas. A total of 6 upper-division hours must be taken in CLAS Social/Behavioral Sciences. CLAS Social/ Behavioral Sciences departments may differ from University General Studies SB designations. CLAS Social/ Behavioral Sciences credits come only from the following departmental prefixes: AFS, ASB, CSS, ECN, GCU, HIS, POS, PGS, SOC, WST (not WST 413, 464, 470).

Remember that the University General Studies combined HU and SB requirements requires a minimum of six hours in one area and nine in the other for a total of 15. At least one course must be at the upper division level.

**Note:** Please see the CLAS Curriculum Guide and the ASU General Catalog for information on what courses fulfill these requirements.

**Major Courses**

BIO 193 (4) The Nature of Biological Sciences

OR

BIO 181 (4) General Biology

BIO 182 (4) General Biology

**Prerequisites**

no prerequisites

no prerequisites, CHM 113 & 115 recommended  
BIO 181

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 100 or BIO 182 or BOT 108 or equivalent

BIO 182; CHM 115 – pre- or corequisite

BIO 100 (or BOT 108) and CHM 101 or Instr Appr

BIO 182 or Instr Appr

BIO 182

BIO 320 (3) Fundamentals of Ecology

BIO 340 (4) General Genetics or BIO 341 (5) Genetic Analysis

BIO 345 (3) Organic Evolution

BIO 353 (3) Cell Biology

BIO 182 or Instr Appr

BIO 182

BIO 182

BIO 182

At least ONE of the following physiology courses :

PLB 308 (4) Plant Physiology

MIC 360 (3) Bacterial Physiology

BIO 360 (4) Basic Physiology

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** 14-18 hours of upper division BIO/PLB/MIC to complete the required 43 hours in the major. Check the catalog for prerequisites. Coursework must include at least 3 upper division lab courses and 1 upper division course from PLB or MIC.