

DEGREE CHECKLIST (College of Arts and Sciences)

2008-2009 Catalog

NAME _____

ADVISER _____

MAJOR B.S. – BIOLOGY (Concentration in Biomedical Research)

GENERAL EDUCATION REQUIREMENTS		Check	Hrs.
ACAD 101 (Required of first-time freshmen only)	_____		0-1
Critical Skills			
Writing and Critical Thinking			
WRIT 101 (A grade of C- or better is required)	_____		3
CRTW 201 (A grade of C- or better in (HMXP 102 is required as a prerequisite)	_____		3
Quantitative Skills (met by major)			0
Logic/Language/Semiotics			
MATH (met by major)	_____		0
Foreign Language (102-level proficiency required)	_____		3-4
Oral Communication (met by major)			0
Technology (met by major)			0
Skills for Common Experience and Thinking Across Disciplines			
HMXP 102 (A grade of C- or better in WRIT101 is required as a prerequisite)	_____		3
Global Perspectives (see approved list)	_____		3
Historical Perspectives (see approved list)	_____		3
Developing Critical Skills and Applying them to Disciplines			
Natural Science (met by major)	_____		0
Social Science (see approved list; must include two designators)	_____		3
_____	_____		3
_____	_____		0-3*
Humanities and Art (see approved list; must include two designators)			
PHIL 230	_____		3
_____	_____		3
_____	_____		0-3*
*A total of 15 hours is required in Social Science/Humanities & Arts.			
Intensive Writing (met by major)			0
Constitution Requirement (see approved list; may be met by other requirement)	_____		0-3
_____	_____		
SUBTOTAL			33-38

Major Courses (67 semester hours)		
Course & No.	Hrs.	Check
BIOL 202	(0)	_____
BIOL 203	(1)	_____
BIOL 204	(3)	_____
BIOL 205	(4)	_____
BIOL 206	(4)	_____
BIOL 300	(4)	_____
BIOL 315	(4)	_____
BIOL 480	(3)	_____
BIOL 491	(0)	_____
BIOL 492	(0)	_____
A) BIOL _____	(4)	_____ (must have a lab)
A) BIOL _____	()	_____
Select one from the following (4)		
B) BIOL 310 or 317/318 or, 322 _____		_____

Select two of the following (6-8)
 B) BIOL 519, 560, 522, 555 or CHEM 523/525 _____, _____
 C) BIOL 471 or BIOL 450H (3) _____
 C) _____ () _____
 C) _____ () _____
 D) _____ () _____
 CHEM 105-107 (4) _____
 CHEM 106-108 (4) _____
 CHEM 301-303 (4) _____
 CHEM 302-304 (4) _____
 MATH* or CTQR 150 (3) _____
 *Excluding MATH 291 and 292
 MATH 201 (3) _____

Student must select at least one 500-level course (satisfied by the required program)

Biology Areas and Electives

A. Ecology, Evolution and Field Biology (select two courses, one of which must include a lab)
 Lab courses: BIOL 303, 304, 323, 403, 508, 510, 511, 515, 525, 527
 Non-Lab courses: BIOL 404, 505, 513, 518, 524, 560

B. Cells, Genes and Developmental Biology (satisfied by the required program)

C. Biology Electives: select additional courses to total 42 hours in BIOL from the above lists and from: BIOL 340 (A, B, or C), 440, 450H, 461, 463, 471, 540
 Students must complete two semesters of undergraduate research, but only 3 hours will count toward the 42 hours of BIOL courses required for the BS degree in Biology. Student will enroll for BIOL 472 during the second semester of research and these hours will count toward the 124 hours needed for the BS degree

D. Additional Science Electives: select a minimum of 3 hours from the following: CHEM (except 101, 340A, B, C, 461, or 463), CTQR 150 (if not selected above); GEOL; MATH (except 291 & 292 and any course used to satisfy the Quantitative Reasoning Area); PHYS (except 101); QMTH 205 or 206 (if MATH 141 not selected)

Foreign Language Requirement _____ (0-4) _____

ELECTIVES (19-24 semester hours)		
_____ () _____		_____ () _____
_____ () _____		_____ () _____
_____ () _____		_____ () _____
_____ () _____		_____ () _____
_____ () _____		_____ () _____

- NOTES**
- Unless stated otherwise, a single course **may not** be used for more than one General Education requirement or in a major and a minor.
 - All Arts and Sciences majors require a minimum of 40 hours in courses numbered above 299.
 - Attendance at three cultural events is required for each 20 hours completed in residence at Winthrop.