

DEGREE CHECKLIST (College of Arts and Sciences)

2014-2015 Catalog

NAME

ID#

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 WRIT 101 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 Arts (see approved list; must include two designators)		
PHIL 230	_____	3
_____	_____	3
_____	_____	0-3*
*A total of 15 hours is required in Social Science/Humanities and 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 (68 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 _____ (3-4)	_____	_____	(must have a lab)
A) BIOL _____ ()	_____	_____	
B) Select one from the following			
BIOL 310 or 317 or 322	(4)	_____	

B) Select two of the following:
 BIOL 519, 522, 555, 557 or 560
 CHEM 523/525
 _____, _____ (6-8) _____
 C) BIOL 471 or BIOL 450H (3) _____
 C) BIOL 315 (4) _____
 D) _____ () _____
 CHEM 105 (4) _____
 CHEM 106-108 (4) _____
 CHEM 301 (4) _____
 CHEM 302-304 (4) _____
 MATH* _____ (3) _____
 *Excluding MATH 291 and 292
 MATH 201 (4) _____

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, 552A, 552B
 Non-Lab courses: BIOL 309, 404, 505, 513, 518, 524, 551, 560

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

C. Other: 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 degree. A paid summer research position may count as one semester if approved by the Department Chair.

D. Additional Science Electives: select a minimum of 3 hours from the following: CHEM (except 101, 104, 461, 462, or 463); GEOL; MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills Area); PHYS (except 101); QMTH 205 or 206 (if MATH 141 not selected).

Foreign Language Requirement _____ (0-4) _____

ELECTIVES (14-23 semester hours)

_____	()	_____	_____	()	_____
_____	()	_____	_____	()	_____
_____	()	_____	_____	()	_____
_____	()	_____	_____	()	_____

NOTES

1. Unless stated otherwise, a single course **may not** be used for more than one General Education requirement or in a major and a minor.
2. All Arts and Sciences majors require a minimum of 40 hours in courses numbered above 299.
3. Attendance at three cultural events is required for each 20 hours completed in residence at Winthrop. Note exceptions in the undergraduate catalog.
4. Designators that differ only for the purpose of theory and application will be considered the same designator.
5. Complete WRIT 101, HMXP 102 and CRTW 201 with a C- or better by 75 hours.