

DEGREE CHECKLIST (College of Arts and Sciences)

2017-2018 Catalog

NAME

ID#

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

GENERAL EDUCATION REQUIREMENTS (32-36 semester hours)

	Check	Hrs.
ACAD 101 (Required of first-time freshmen only)	_____	1
Writing and Critical Thinking:		
WRIT 101 (grade of C- or better is required)	_____	3
HMXP 102 (grade of C- or better in WRIT 101 is required)	_____	3
CRTW 201 (grade of C- or better in HMXP 102 is required)	_____	3
Oral Communication (met in major with BIOL 480)		0
Technology (met in major with BIOL 300 & 480)		0
Intensive Writing (met in major with BIOL 300)		0
Constitution Requirement (see approved list; may be met by other req.)		0-3
_____	_____	_____
Physical Activity (see approved list)		1
_____	_____	_____
Global Perspectives (see approved list)		3
_____	_____	_____
Historical Perspectives (see approved list)		3
_____	_____	_____
Social Science (see approved list; must include 2 designators)		3
_____	_____	_____
_____	_____	_____
Humanities and Arts (see approved list; must include 2 designators)		3
_____	_____	_____
_____	_____	_____
Quantitative Skills (partially met in major with MATH 201)		0
Natural Science (partially met in major with BIOL 203/204)		3-4
_____	_____	_____

FOREIGN LANGUAGE (3-8 semester hours)

_____	_____	3-4
_____	_____	0-4
102-level proficiency required		

MAJOR COURSES (71-72 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) _____
 D) _____ () _____
 CHEM 105 (4) _____
 CHEM 106-108 (4) _____
 CHEM 301 (4) _____
 CHEM 302-304 (4) _____
 MATH* _____ (3-4) _____
 *Excluding MATH 291 and 292
 MATH 201 (4) _____
 PHIL 230 (3) _____

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 120 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 101/102); QMTH 205 or 210 (if MATH 141 not selected).

ELECTIVES (4-14 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.
 6. See complete catalog requirements at www.winthrop.edu/recandreg