

**DEGREE CHECKLIST (College of Arts and Sciences)**

**2021-2022 Catalog  
MAJOR B.S. – BIOLOGY**

**NAME**

**ID#**

**GENERAL EDUCATION REQUIREMENT (32-36 semester hours)**

	<b>Check</b>	<b>Hrs.</b>
ACAD 101 (Required of first-time freshmen only)	_____	1
<b>Writing and Critical Thinking:</b>		
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
<b>Oral Communication</b> (met in major with BIOL 480)	_____	0
<b>Technology</b> (met in major with BIOL 300 & 480)	_____	0
<b>Intensive Writing</b> (met in major with BIOL 300)	_____	0
<b>Constitution Requirement</b> (see approved list; may be met by other req.)	_____	0-3
_____	_____	_____
<b>Physical Activity</b> (see approved list)	_____	1
_____	_____	_____
<b>Global Perspectives</b> (see approved list)	_____	3
_____	_____	_____
<b>Historical Perspectives</b> (see approved list)	_____	3
_____	_____	_____
<b>Social Science</b> (see approved list; must include 2 designators)	_____	3
_____	_____	3
<b>Humanities and Arts</b> (see approved list; must include 2 designators)	_____	3
_____	_____	3
<b>Quantitative Skills</b> (see approved list)	_____	3-4
<b>Natural Science</b> (met in major with BIOL 220/222 or 220/270 and CHEM 105)	_____	0

**FOREIGN LANGUAGE (3-8 semester hours)**

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

**MAJOR COURSES (64-65 semester hours)**

<b>Course &amp; No.</b>	<b>Hrs.</b>	<b>Check</b>	<b>Course &amp; No.</b>	<b>Hrs.</b>	<b>Check</b>
BIOL 202	( 0 )	_____	D) _____	( )	_____
BIOL 220	( 3 )	_____	D) _____	( )	_____
BIOL 222 or 270	( 1-2 )	_____	D) _____	( )	_____
BIOL 221	( 3 )	_____	D) _____	( )	_____
BIOL 223 or 271	( 1-2 )	_____	E) _____	( )	_____
BIOL 300	( 4 )	_____	E) _____	( )	_____
BIOL 316 or 317	( 3-4 )	_____	E) _____	( )	_____
BIOL 480	( 3 )	_____	E) _____	( )	_____
BIOL 491	( 0 )	_____	CHEM 105	( 4 )	_____
BIOL 492	( 0 )	_____	CHEM 108	( 2 )	_____
A) BIOL _____	( 3-4 )	_____	MATH** _____	( 3-4 )	_____
B) BIOL _____	( 3-4 )	_____			
C) BIOL _____	( 3-4 )	_____			
One course from area A, B, or C:					
BIOL _____	( 3-4 )	_____			

\* At least one course must include a lab

\*\*MATH 101, 105, 141, 150, 151, 201, 341, or any MATH course with 201 as the prerequisite (the MATH course used to satisfy Quantitative Skills may not be used here)

**Biology Areas and Electives (student must select at least one 500-level course)**

- A. Ecology and Evolution (select one course):** BIOL 301, 302, 314, 323, 340 or 403, 405, 407, 507, 508, 513, 542, 551, 552A or B
- B. Cell and Molecular Biology (select one course):** BIOL 315, 321, 422, 517, 519, 522, 528, 529, 532, 539, 555, 560
- C. Biodiversity and Organismal Biology (select one course):** BIOL 303, 304, 305, 306, 309, 310 or 311, 505, 508, 510, 511, 518, 524, 525, 526
- D. Select additional course to total 42 hours in BIOL from the above lists and from:**  
BIOL 307, 308, 371, 440, 450H, 460, 461, 463, 471, 472, 530, 540  
*Students must select at least one 500-level BIOL course from among requirements above.*
- E. Math and Science Electives (13 additional hrs):** Must be chosen from MATH 101, 105, 141, 150, 151, 201, 341, or any MATH course with 201 as the prerequisite (the MATH course used to satisfy Quantitative Skills may not be counted here); CHEM (104 or any course above 199 except 461, 462, or 463); PHYS (except 101/102); GEOL; GEOG 305, 308, 320, 501 (only one may be applied toward credit in the major); and QMTH 205, 206 (if MATH 141 not selected).

**ELECTIVES (11-21 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. Note exceptions in the undergraduate catalog.
- Designators that differ only for the purpose of theory and application will be considered the same designator.
- Students should complete WRIT 101, HMXP 102 and CRTW 201 with a C- or better early in their academic careers.
- See complete catalog requirements at [www.winthrop.edu/recandreg](http://www.winthrop.edu/recandreg)