

DEGREE CHECKLIST (College of Arts and Sciences)

**2023-2024 Catalog
MAJOR B.S. – BIOLOGY**

NAME

ID#

GENERAL EDUCATION REQUIREMENT (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-Founding Documents Req. (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 (see approved list)	_____	3-4
Natural Science (met in major with BIOL 220/222 or 220/270 and CHEM 105)	_____	0

FOREIGN LANGUAGE (3-8 semester hours)		
	Check	Hrs.
_____	_____	3-4
_____	_____	0-4
102-level proficiency required		

MAJOR COURSES (64-65 semester hours)									
	Course & No.	Hrs.	Check		Course & No.	Hrs.	Check		
	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 390	(0.5)	_____		CHEM 105	(4)	_____		
	BIOL 490	(0.5)	_____		CHEM 108	(2)	_____		
	A) BIOL _____	(3-4)	_____	* At least one course must include a lab	MATH** _____	(3-4)	_____		
	B) BIOL _____	(3-4)	_____		**MATH 101, 105, 141, 150, 151, 201, 341, or any				
	C) BIOL _____	(3-4)	_____		MATH course with 201 as the prerequisite (the MATH course used to satisfy Quantitative Skills may not be used here)				
	One course from area A, B, or C:								
	BIOL _____	(3-4)	_____						
	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 310, 311, 315, 320, 321, 422, 517, 519, 522, 526, 528, 529, 532, 539, 555, 560								
	C. Biodiversity and Organismal Biology (select one course): BIOL 303, 304, 305, 306, 307, 308, 309, 310 or 311, 505, 508, 510, 511, 518, 524, 525, 554								
	D. Select additional course to total 44 hours in BIOL from the above lists and from: BIOL 371, 440, 450H, 460, 461, 463, 471, 472, 530, 540, 570 <i>Students must select at least one 500-level BIOL course from among requirements above.</i>								
	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)								
	Course & No.	Hrs.	Check		Course & No.	Hrs.	Check	
	_____	()	_____		_____	()	_____	
	_____	()	_____		_____	()	_____	
	_____	()	_____		_____	()	_____	
	_____	()	_____		_____	()	_____	

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. Students should complete WRIT 101, HMXP 102 and CRTW 201 with a C- or better early in their academic careers.
6. See complete catalog requirements at www.winthrop.edu/recandreg