

DEGREE CHECKLIST (College of Arts and Sciences)

2026-2027 Catalog

NAME _____

ID# _____

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

GENERAL EDUCATION REQUIREMENTS (29-38 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 (may be met in major)	_____	0-3
Intensive Writing (may be met in major)	_____	0-3
Constitution-Founding Documents Req. (see approved list; may be met by other req.)	_____	0-3
_____	_____	0-3
Physical Activity (see approved list)	_____	1
_____	_____	1
Global Perspectives (see approved list)	_____	3
_____	_____	3
Historical Perspectives (see approved list)	_____	3
_____	_____	3
Social Science (see approved list; must include 2 designators)	_____	3
_____	_____	3
Humanities and Arts (see approved list; must include 2 designators)	_____	3
_____	_____	3
Quantitative Skills (met in major with MATH 105 or 201)	_____	0
Natural Science (met in major with BIOL 220/222 or 220/270 and CHEM 201 or 211)	_____	0

FOREIGN LANGUAGE (3-8 semester hours)

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

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 39 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

MAJOR COURSES (75-82 semester hours)

Course & No.	Hrs.	Check	Course & No.	Hrs.	Check
BIOL 220	(3)	_____	Select one course from Area A. If BIOL 321 is		
BIOL 222 or 270	(1-2)	_____	taken, select one from Area C.*:		
BIOL 221	(3)	_____	BIOL _____	(3-4)	_____
BIOL 223 or 271	(1-2)	_____	D) _____	(3-4)	_____
BIOL 307, 308, or 321	(4)	_____	D) _____	(3-4)	_____
BIOL 310 or 311	(3-4)	_____	CHEM 201, 202, & 204		
BIOL 315 or 320	(3-4)	_____	or CHEM 211 & 204	(6-9)	____, ____, ____
BIOL 316 or 317	(3-4)	_____	CHEM 301	(4)	_____
BIOL 450H or 471*	(3)	_____	CHEM 302/304	(4)	_____
BIOL 480	(3)	_____	CHEM 323, 520, or 523/525	(3-5)	_____
BIOL 390	(0.5)	_____	MATH 105 or 201	(3-4)	_____
BIOL 490	(0.5)	_____	MATH 241, 341, 541, 546,	(3)	_____
BIOL 517, 519, 522,	(3-4)	_____	or BIOL 570		
526, 530, 532, 539,			PHYS 201/202 or 211/212	(8)	_____
550, or 560			*At least one course must be selected from Microbiology, Cell Biology, or Genetics requirement above (BIOL 310, 315, or 317).		
Biology Areas and Electives					
A. Ecology and Evolution (select one course): BIOL 301, 302, 314, 323, 328, 340 or 403, 405, 407, 507, 513, 518, 542, 551, 552A or B					
B. Cell and Molecular Biology (satisfied by the required program): BIOL 321, 421, 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, 505, 508, 510, 511, 518, 524, 525, 554					
D. Select additional courses to total 44 hours in BIOL from the above lists and from the following: BIOL 275, 300, 360, 371, 382, 383, 384, 388, 440, 450H, 460, 461, 463, 471, 472, 530, 540, 570					

*Student must complete two semesters of undergraduate research. A paid summer research position may count as one semester if approved by the Department Chair. A maximum of six hours of credit for research may be used toward the total 44 hours of BIOL courses required for the BS degree.

ELECTIVES (0-13 semester hours)

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