

DEGREE CHECKLIST (College of Arts and Sciences)

2023-2024 Catalog

NAME

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

GENERAL EDUCATION REQUIREMENTS (29-32 semester hours)			MAJOR COURSES (71-80 semester hours)					
	Check	Hrs.	Course & No.	Hrs.	Check	Course & No.	Hrs.	Check
ACAD 101 (Required of first-time freshmen only)	_____	1	BIOL 202	(1)	_____	Select one course from Area A. (If BIOL 321 is taken, select one from:		
Writing and Critical Thinking:			BIOL 220	(3)	_____	BIOL _____	(3-4)	_____
WRIT 101 (grade of C- or better is required)	_____	3	BIOL 222 or 270	(1-2)	_____	D) _____	(3-4)	_____
HMPX 102 (grade of C- or better in WRIT 101 is required)	_____	3	BIOL 221	(3)	_____	D) _____	(3-4)	_____
CRTW 201 (grade of C- or better in HMPX 102 is required)	_____	3	BIOL 223 or 271	(1-2)	_____	CHEM 201/202 or 211	(4-7)	_____
Oral Communication (met in major with BIOL 480)		0	BIOL 300	(4)	_____	CHEM 204	(2)	_____
Technology (met in major with BIOL 300 & 480)		0	BIOL 307, 308, or 321	(4)	_____	CHEM 301	(4)	_____
Intensive Writing (met in major with BIOL 300)		0	BIOL 310 or 311*	(3-4)	_____	CHEM 302/304	(4)	_____
Constitution-Founding Documents Req. (see approved list; may be met by other req.)		0-3	BIOL 315 or 320*	(3-4)	_____	CHEM 323, 520, or 523/525	(3-5)	_____
_____	_____		BIOL 316 or 317*	(3-4)	_____	MATH 105 or 201	(3-4)	_____
Physical Activity (see approved list)	_____	1	BIOL 450H or 471**	(3)	_____	MATH 241, 341, 541, 546,	(3)	_____
_____	_____		BIOL 480	(3)	_____	or BIOL 570		
Global Perspectives (see approved list)	_____	3	BIOL 390	(0.5)	_____	PHYS 201/202 or 211/212	(8)	_____
_____	_____		BIOL 490	(0.5)	_____			
Historical Perspectives (see approved list)	_____	3	BIOL 517, 519, 522, 526, 530, 532, 539, 555, or 560	(3-4)	_____			
_____	_____							
Social Science (see approved list; must include 2 designators)	_____	3	Biology Areas and Electives					
_____	_____		A. Ecology and Evolution (select one course): BIOL 301, 302, 314, 323, 328, 340, 403, 405, 407, 507, 513, 518, 542, 551, 552A or B					
Humanities and Arts (see approved list; must include 2 designators)	_____	3	B. Cell and Molecular Biology (satisfied by the required program): BIOL 321, 422, 517, 519, 522, 526, 528, 529, 532, 539, 555, 560					
_____	_____	3	C. Biodiversity and Organismal Biology (select one course): BIOL 303, 304, 305, 306, 307, 308, 309, 505, 508, 510, 511, 518, 524, 525, 554					
Quantitative Skills (partially met in major with MATH 105 or 201)	_____	0	D. Select additional courses to total 44 hours in BIOL from the above lists and from the following: BIOL 275, 371, 440, 450H, 460, 461, 463, 471, 472, 530, 540, 570					
Natural Science (met in major with BIOL 220/222 or 220/270 and CHEM 105)	_____	0						
FOREIGN LANGUAGE (3-8 semester hours)								
_____	_____	3-4	*At least one of these courses must be a 4-credit lab course.					
_____	_____	0-4	**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.					
102-level proficiency required								
NOTES			ELECTIVES (0-13 semester hours)					
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, HMPX 102 and CRTW 201 with a C- or better early in their academic careers.								
6. See complete catalog requirements at www.winthrop.edu/recandreg								