

DEGREE CHECKLIST (College of Arts and Sciences)

2024-2025 Catalog

NAME

ID#

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

GENERAL EDUCATION REQUIREMENTS (29-32 semester hours)			MAJOR COURSES (75-87 semester hours)					
	Check	Hrs.	Course & No.	Hrs.	Check	Course & No.	Hrs.	Check
ACAD 101 (Required of first-time freshmen only)	_____	1	BIOL 202	( 0 )	_____	Select one course from Area A. (If BIOL 321 is taken, select one from:		
<b>Writing and Critical Thinking:</b>			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 )	_____
HMXP 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 HMXP 102 is required)	_____	3	BIOL 223 or 271	( 1-2 )	_____	CHEM 201	( 4 )	_____
<b>Oral Communication</b> (met in major with BIOL 480)		0	BIOL 300	( 4 )	_____	CHEM 202/204	( 5-6 )	_____, _____
<b>Technology</b> (met in major with BIOL 300 & 480)		0	BIOL 307, 308, or 321	( 4 )	_____	or 211/204		
<b>Intensive Writing</b> (met in major with BIOL 300)		0	BIOL 310 or 311	( 3-4 )	_____	CHEM 301	( 4 )	_____
<b>Constitution-Founding Documents Req.</b> (see approved list; may be met by other req.)			BIOL 315	( 4 )	_____	CHEM 302/304	( 4 )	_____
_____	_____	0-3	BIOL 316 or 317	( 3-4 )	_____	CHEM 323, 520, or 523/525	( 3-5 )	_____
<b>Physical Activity</b> (see approved list)		1	BIOL 450H or 471*	( 3 )	_____	MATH 105 or 201	( 3-4 )	_____
_____	_____		BIOL 480	( 3 )	_____	MATH 141, 341, 541, 546,	( 3 )	_____
<b>Global Perspectives</b> (see approved list)		3	BIOL 390	( 0.5 )	_____	or BIOL 570		
_____	_____		BIOL 490	( 0.5 )	_____	PHYS 201/202 or 211/212	( 8 )	_____
<b>Historical Perspectives</b> (see approved list)		3	BIOL 519, 522, 530,	( 3-4 )	_____			
_____	_____		555, or 560					
<b>Social Science</b> (see approved list; must include 2 designators)		3				<b>Biology Areas and Electives</b>		
_____	_____	3				<b>A. Ecology and Evolution (select one course):</b> BIOL 301, 302, 314, 323, 340 or 403, 405, 407, 507, 513,		
_____	_____	3				542, 551, 552A or B		
<b>Humanities and Arts</b> (see approved list; must include 2 designators)		3				<b>B. Cell and Molecular Biology (satisfied by the required program):</b> BIOL 321, 422, 517, 519, 522, 526,		
_____	_____	3				528, 529, 532, 539, 555, 560		
_____	_____	3				<b>C. Biodiversity and Organismal Biology (select one course):</b> BIOL 303, 304, 305, 306, 307, 308, 309,		
<b>Quantitative Skills</b> (partially met in major with MATH 105 or 201)		0				505, 508, 510, 511, 518, 524, 525, 554		
<b>Natural Science</b> (met in major with BIOL 220/222 or 220/270 and CHEM 201 or 211)		0				<b>D. Select additional courses to total 44 hours in BIOL from the above lists and from the following:</b> BIOL 307, 308, 371, 440, 450H, 460, 461, 463, 471, 472, 530, 539, 540, 570		
<b>FOREIGN LANGUAGE (3-8 semester hours)</b>								
_____	_____	3-4	*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.					
_____	_____	0-4						
102-level proficiency required								
<b>NOTES</b>			<b>ELECTIVES (0-13 semester hours)</b>					
1. Unless stated otherwise, a single course <b>may not</b> 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								