

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

**2022-2023 Catalog**

**NAME**

**ID#**

**MAJOR B.S. — BIOLOGY (Certification as Medical Technologist)**

<b>GENERAL EDUCATION REQUIREMENTS (32-36 semester hours)</b>		
	<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-Founding Documents Req.</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
_____	_____	
_____	_____	
<b>Humanities and Arts</b> (see approved list; must include 2 designators)	_____	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

<b>FOREIGN LANGUAGE (3-8 semester hours)</b>		
_____	_____	3-4
_____	_____	0-4
102-level proficiency required		

<b>MAJOR COURSES (65 semester hours)</b>							
	<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) _____	( 3-4 )	_____
	BIOL 220	( 3 )	_____		D) _____	( 3-4 )	_____
	BIOL 222 or 270	( 1-2 )	_____		D) _____	( 3-4 )	_____
	BIOL 221	( 3 )	_____		D) _____	( 3-4 )	_____
	BIOL 223 or 271	( 1-2 )	_____		E) _____	( 3-4 )	_____
	BIOL 300	( 4 )	_____		E) _____	( 3-4 )	_____
	BIOL 310	( 4 )	_____		CHEM 105	( 4 )	_____
	BIOL 316 or 317	( 3-4 )	_____		CHEM 108	( 2 )	_____
	BIOL 480	( 3 )	_____		CHEM 301	( 4 )	_____
	BIOL 390	( 0.5 )	_____		CHEM 302/304	( 4 )	_____
	BIOL 490	( 0.5 )	_____		MATH 141	( 3 )	_____
	BIOL 522	( 4 )	_____				
	A) BIOL _____	( 3-4 )	_____				
	Select one from A, B, or C:						
	BIOL _____	( 3-4 )	_____				
	<b>Biology Areas and Electives</b>						
	<b>A. Ecology and Evolution (select one course):</b> BIOL 301, 302, 314, 323, 340 or 403, 405, 407, 507, 513, 542, 551, 552A or B						
	<b>B. Cell and Molecular Biology:</b> BIOL 315, 320, 321, 422, 517, 519, 522, 526, 528, 529, 532, 539, 555, 560						
	<b>C. Biodiversity and Organismal Biology:</b> BIOL 303, 304, 305, 306, 307, 308, 309, 505, 508, 510, 511, 518, 524, 525, 554						
	<b>D. Select additional course to total 44 hours in BIOL from the above lists and from:</b> BIOL 371, 440, 450H, 460, 461, 463, 471, 472, 530, 540, 570						
	<b>E. Math and Science Electives (select 3 hours):</b>						
	Must be chosen from CHEM 313 & 314 (recommended); 523, 524, and 525; CSCI 101 and CSCI 101A, B, and C; MATH 101, 105, 150, 151, 201, 341, or any MATH course with 201 as a prerequisite (the MATH course used to satisfy Quantitative Skills may not be counted here); PHYS (except 101/102); GEOG 305, 308, 320, or 501 (only one may be applied toward credit in the major); GEOL						
	<b>ELECTIVES (12-21 semester hours)</b>						
	_____	( )	_____		_____	( )	_____
	_____	( )	_____		_____	( )	_____
	_____	( )	_____		_____	( )	_____

**NOTES**

Satisfactory completion of an approved university-based or hospital-based School of Medical Technology program will complete the certification requirements.

This program may be completed at any NAACLS-accredited hospital-based program or at a university-based school of medical technology.

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](http://www.winthrop.edu/recandreg)