

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

**2023-2024 Catalog**

**NAME**

**ID#**

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

GENERAL EDUCATION REQUIREMENTS (32-36 semester hours)			MAJOR COURSES (65 semester hours)					
	Check	Hrs.	Course & No.	Hrs.	Check	Course & No.	Hrs.	Check
ACAD 101 (Required of first-time freshmen only)	_____	1	BIOL 202	( 1 )	_____	D) _____	( 3-4 )	_____
<b>Writing and Critical Thinking:</b>			BIOL 220	( 3 )	_____	D) _____	( 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 )	_____	E) _____	( 3-4 )	_____
<b>Oral Communication</b> (met in major with BIOL 480)		0	BIOL 300	( 4 )	_____	E) _____	( 3-4 )	_____
<b>Technology</b> (met in major with BIOL 300 & 480)		0	BIOL 310	( 4 )	_____	CHEM 201/202 or 211	( 4-7 )	_____
<b>Intensive Writing</b> (met in major with BIOL 300)		0	BIOL 316 or 317	( 3-4 )	_____	CHEM 204	( 2 )	_____
<b>Constitution-Founding Documents Req.</b> (see approved list; may be met by other req.)			BIOL 480	( 3 )	_____	CHEM 301	( 4 )	_____
_____	_____	0-3	BIOL 390	( 0.5 )	_____	CHEM 302/304	( 4 )	_____
<b>Physical Activity</b> (see approved list)	_____		BIOL 490	( 0.5 )	_____	MATH 241	( 3 )	_____
_____	_____	1	BIOL 522	( 4 )	_____			
<b>Global Perspectives</b> (see approved list)	_____	3	A) BIOL _____	( 3-4 )	_____			
_____	_____	3	Select one from A, B, or C:					
<b>Historical Perspectives</b> (see approved list)	_____	3	BIOL _____	( 3-4 )	_____			
_____	_____	3	<b>Biology Areas and Electives</b>					
<b>Social Science</b> (see approved list; must include 2 designators)	_____	3	<b>A. Ecology and Evolution (select one course):</b> BIOL 301, 302, 314, 323, 328, 340, 403, 405, 407, 507, 513, 518,					
_____	_____	3	542, 551, 552A or B					
_____	_____	3	<b>B. Cell and Molecular Biology:</b> BIOL 315, 320, 321, 422, 517, 519, 526, 528, 529, 532, 539, 555, 560					
<b>Humanities and Arts</b> (see approved list; must include 2 designators)	_____	3	<b>C. Biodiversity and Organismal Biology:</b> BIOL 303, 304, 305, 306, 307, 308, 309, 505, 508, 510, 511, 518,					
_____	_____	3	524, 525, 554					
_____	_____	3	<b>D. Select additional course to total 44 hours in BIOL from the above lists and from:</b> BIOL 275, 371, 440, 450H, 460, 461, 463, 471, 472, 530, 540, 570					
<b>Quantitative Skills</b> (see approved list)	_____	3-4	<b>E. Math and Science Electives (select 3 hours):</b>					
_____	_____	0	Must be chosen from: MATH 101, 105, 141, 150, 151, 201, 341 or any MATH with 201 as the pre-requisite. (The MATH course used to satisfy the Quantitative Skills area may not be counted here.); CHEM (104 or any course above 199 except 461, 462 or 463); GEOG 305, 308, 320, or 501 (only one may be applied toward credit in the major); GEOL; PHYS (except 101/102); QMTH 205 (if MATH 141 not selected); NUTR 223 or 227; ENVS 350 (when taught as Climate Change Present and Future) or 375; CSCI 101 or CSCI 101A-P (only 3 hours of CSCI may be applied toward credit in the major)					
<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	<b>ELECTIVES (8-21 semester hours)</b>					
102-level proficiency required	_____		_____ ( ) _____			_____ ( ) _____		
			_____ ( ) _____			_____ ( ) _____		
			_____ ( ) _____			_____ ( ) _____		

**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)