

# DEGREE CHECKLIST (College of Arts and Sciences)

2025-2026 Catalog

NAME

ID#

MAJOR B.S. — CHEMISTRY (Chemistry; Biochemistry Degree Tracks)

GENERAL EDUCATION REQUIREMENTS (29-41 semester hours)			REQUIREMENTS IN THE MAJOR (choose <b>one</b> degree track)			
	Check	Hrs.	Chemistry Degree Track (65-68 semester hrs)		Biochemistry Degree Track (80-82 semester hrs)	
ACAD 101 (Required of first-time freshmen only)	_____	1	Students completing this degree track will be ACS-certified chemistry graduates.		Students completing this degree track will be ACS-certified c and ASBMB Accredited biochemistry graduates.	
<b>Writing and Critical Thinking:</b>			<b>Course &amp; No.</b>	<b>Hrs. Check</b>	<b>Course &amp; No.</b> <b>Hrs. Check</b>	
WRIT 101 (grade of C- or better is required)	_____	3	BIOL 220/222	( 4 ) _____	BIOL 220/222 ( 4 ) _____	
HMXP 102 (grade of C- or better in WRIT 101 is required)	_____	3	MATH 201, 202	( 8 ) _____	Three courses from BIOL 310, 315, 316, 317, or approved advanced BIOL courses:	
<b>Oral Communication</b> (see approved list; may be met in major with CHEM 552)	_____	3	PHYS 211, 212	( 8 ) _____	(10-12) _____, _____, _____, _____	
_____	_____	0-3	CHEM 201 & 202	( 4-7 ) _____	MATH 201, 202 ( 8 ) _____	
<b>Technology</b> (see approved list; may be met in major)	_____	0-3	or 211		PHYS 211, 212 ( 8 ) _____	
_____	_____	0-3	CHEM 204	( 2 ) _____	CHEM 201 & 202 ( 4-7 ) _____	
<b>Intensive Writing</b> (see approved list; may be met in major with CHEM 552)	_____	0-3	CHEM 301, 302/304	( 8 ) _____	or 211	
_____	_____	0-3	CHEM 305	( 1 ) _____	CHEM 204 ( 2 ) _____	
<b>Constitution-Founding Documents</b> (see approved list; may be met with other requirement)	_____	0-3	CHEM 312	( 1 ) _____	CHEM 301, 302/304 ( 8 ) _____	
_____	_____	0-3	CHEM 313/314	( 4 ) _____	CHEM 305 ( 1 ) _____	
<b>Physical Activity</b> (see approved list)	_____	1	CHEM 323	( 3 ) _____	CHEM 312 ( 1 ) _____	
_____	_____	3	CHEM 330/332	( 4 ) _____	CHEM 313/314 ( 4 ) _____	
<b>Global Perspectives</b> (see approved list)	_____	3	CHEM 407/409	( 4 ) _____	CHEM 323 ( 3 ) _____	
_____	_____	3	CHEM 408/410	( 4 ) _____	CHEM 330/332 ( 4 ) _____	
<b>Historical Perspectives</b> (see approved list)	_____	3	CHEM 491-494	( 0 ) _____, _____, _____, _____	CHEM 407/409 ( 4 ) _____	
_____	_____	3	CHEM 495	( 1 ) _____	CHEM 408/410 ( 4 ) _____	
<b>Social Science</b> (see approved list; must include 2 designators)	_____	3	<b>Complete Option A or B below:</b>		CHEM 491-494 ( 0 ) _____, _____, _____, _____	
_____	_____	3	<i>Option A:</i> CHEM 551-552 (6) _____, _____		CHEM 495 ( 1 ) _____	
<b>Humanities and Arts</b> (see approved list; must include 2 designators)	_____	3	Three hours from CHEM 307, 420, 502/503, 505/506, 523/525, 529, 530, 541, 570, 571 (3-5) _____, _____, _____		CHEM 523/525 ( 5 ) _____	
_____	_____	3	<i>Option B:</i> CHEM 526 or 570 (3) _____		CHEM 524 ( 3 ) _____	
_____	_____	3	Two of the following: CHEM 502/503, 505/506, 523/525 (8-9) _____, _____		CHEM 551-552 ( 6 ) _____	
<b>Quantitative Skills</b> (met in major with MATH 201 & 202)	_____	0				
<b>Natural Science</b> (met in major with PHYS 211)	_____	0				
<b>FOREIGN LANGUAGE (3-8 semester hours)</b>			<b>ELECTIVES (0-23 semester hours)</b>			
_____	_____	3-4	_____	( ) _____	_____ ( ) _____	
_____	_____	0-4	_____	( ) _____	_____ ( ) _____	
102-level proficiency required			_____	( ) _____	_____ ( ) _____	

## NOTES

1. Unless stated otherwise, a single course **may not** be used for more than one General Education requirement.
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 in this category.
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)