

DEGREE CHECKLIST (College of Arts and Sciences)

2023-2024 Catalog

NAME

ID#

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

GENERAL EDUCATION REQUIREMENTS (29-41 semester hours)			REQUIREMENTS IN THE MAJOR (choose <u>one</u> degree track)			
	Check	Hrs.	Chemistry Degree Track (65-71 semester hrs)		Biochemistry Degree Track (80-85 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 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:	
CRTW 201 (grade of C- or better in HMXP 102 is required)	_____	3	PHYS 211, 212	( 8 ) _____	(10-12) _____, _____, _____, _____	
<b>Oral Communication</b> (see approved list; may be met in major with CHEM 552)	_____	0-3	CHEM 201 & 202	( 4-7 ) _____	MATH 201, 202      ( 8 ) _____	
_____	_____		or 211		PHYS 211, 212      ( 8 ) _____	
<b>Technology</b> (see approved list; may be met in major)	_____	0-3	CHEM 204	( 2 ) _____	CHEM 201 & 202      ( 4-7 ) _____	
_____	_____		CHEM 301, 302/304	( 8 ) _____	or 211	
<b>Intensive Writing</b> (see approved list; may be met in major with CHEM 552)	_____	0-3	CHEM 305	( 1 ) _____	CHEM 204      ( 2 ) _____	
_____	_____		CHEM 312	( 1 ) _____	CHEM 301, 302/304      ( 8 ) _____	
<b>Constitution-Founding Documents</b> (see approved list; may be met with other requirement)	_____	0-3	CHEM 313/314	( 4 ) _____	CHEM 305      ( 1 ) _____	
_____	_____		CHEM 323	( 3 ) _____	CHEM 312      ( 1 ) _____	
<b>Physical Activity</b> (see approved list)	_____	1	CHEM 330/332	( 4 ) _____	CHEM 313/314      ( 4 ) _____	
_____	_____		CHEM 407/409	( 4 ) _____	CHEM 323      ( 3 ) _____	
<b>Global Perspectives</b> (see approved list)	_____	3	CHEM 408/410	( 4 ) _____	CHEM 330/332      ( 4 ) _____	
_____	_____		CHEM 491-494	( 0 ) _____, _____, _____, _____	CHEM 407/409      ( 4 ) _____	
<b>Historical Perspectives</b> (see approved list)	_____	3	CHEM 495	( 1 ) _____	CHEM 408/410      ( 4 ) _____	
_____	_____		<b>Complete Option A or B below:</b>			
<b>Social Science</b> (see approved list; must include 2 designators)	_____	3	<i>Option A:</i> CHEM 551-552 (6) _____, _____			CHEM 491-494      ( 0 ) _____, _____, _____, _____
_____	_____		Three hours from CHEM 307, 420, 502/503, 505/506, 523/525, 529, 530, 541, 570, 571 (3-5) _____, _____, _____			CHEM 495      ( 1 ) _____
<b>Humanities and Arts</b> (see approved list; must include 2 designators)	_____	3	<i>Option B:</i> CHEM 526 or 570 (2) _____			CHEM 523/525      ( 5 ) _____
_____	_____		Two of the following: CHEM 502/503, 505/506, 523/525 (8-9) _____, _____			CHEM 524      ( 3 ) _____
<b>Quantitative Skills</b> (met in major with MATH 201 & 202)	_____	0				CHEM 551-552      ( 6 ) _____
<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)