

DEGREE CHECKLIST (College of Arts and Sciences)

2025-2026 Catalog

NAME

ID#

MAJOR B.S. — CHEMISTRY (Pre-Engineering Degree Track)

GENERAL EDUCATION REQUIREMENTS (29-41 semester hours)			REQUIREMENTS IN THE MAJOR			
	Check	Hrs.	Pre-Engineering Degree Track (69-71 semester hrs)			
ACAD 101 (Required of first-time freshmen only)	_____	1	Students may choose to complete 6-12 hours of optional additional requirements to earn an ACS-certified degree.			
Writing and Critical Thinking:			Course & No.	Hrs.	Check	<div> OPTIONAL Additional Requirements for ACS-certified degree: <i>Option A:</i> CHEM 551-552 (6) _____, _____ <i>Option B:</i> CHEM 526 or 570 (3) _____ plus additional lab hours If CHEM 523/525 is taken, add one of CHEM 502/503, 505/506, 526, 570 (3-4) _____, _____. If CHEM 530 is taken, add one of CHEM 526, 570 <u>or</u> add two of CHEM 502/503, 505/506, 523/525 (3-9) _____, _____. </div>
WRIT 101 (grade of C- or better is required)	_____	3	BIOL 220/222	(4)	_____	
HMXP 102 (grade of C- or better in WRIT 101 is required)	_____	3	MATH 201, 202	(8)	_____	
CRTW 201 (grade of C- or better in HMXP 102 is required)	_____	3	MATH 301, 305	(7)	_____	
Oral Communication (see approved list; may be met in major with CHEM 552)	_____		CHEM 201 & 202	(4-7)	_____	
_____	_____	0-3	or 211			
Technology (see approved list; may be met in major)	_____		CHEM 204	(2)	_____	
_____	_____	0-3	CHEM 301 & 302/304	(8)	_____	
Intensive Writing (see approved list; may be met in major with CHEM 552)	_____		CHEM 305	(1)	_____	
_____	_____	0-3	CHEM 312	(1)	_____	
Constitution-Founding Documents Req. (see approved list; may be met by other requirement)	_____		CHEM 313/314	(4)	_____	
_____	_____	0-3	CHEM 323	(3)	_____	
Physical Activity (see approved list)	_____		CHEM 330/332	(4)	_____	
_____	_____	1	CHEM 407/409	(4)	_____	
Global Perspectives (see approved list)	_____		CHEM 408/410	(4)	_____	
_____	_____	3	CHEM 491, 492,	(0)	_____	
Historical Perspectives (see approved list)	_____		493, 494		_____	
_____	_____	3	CHEM 495	(1)	_____	
Social Science (see approved list; must include 2 designators)	_____		CHEM 530 or 523/525 (3-5)		_____	
_____	_____	3	PHYS 211, 212	(8)	_____	
_____	_____	3	PHYS 321	(3)	_____	
Humanities and Arts (see approved list; must include 2 designators)	_____	3				
_____	_____	3				
Quantitative Skills (met in major with MATH 201 & 202)	_____	0				
Natural Science (met in major with PHYS 211)	_____	0				
FOREIGN LANGUAGE (3-8 semester hours)			ELECTIVES (0-19 semester hours)			
_____	_____	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