

DEGREE CHECKLIST (College of Arts and Sciences)

2026-2027 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	OPTIONAL Additional Requirements for ACS-certified degree: Option A: CHEM 551-552 (6) _____, _____ Option B: 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) _____, _____.		
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 39 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