

DEGREE CHECKLIST (College of Arts and Sciences)

2024-2025 Catalog

NAME

ID#

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

GENERAL EDUCATION REQUIREMENTS (29-41 semester hours)

REQUIREMENTS IN THE MAJOR

	Check	Hrs.
ACAD 101 (Required of first-time freshmen only)	_____	1
Writing and Critical Thinking:		
WRIT 101 (grade of C- or better is required)	_____	3
HMXP 102 (grade of C- or better in WRIT 101 is required)	_____	3
CRTW 201 (grade of C- or better in HMXP 102 is required)	_____	3
Oral Communication (see approved list; may be met in major with CHEM 552)	_____	0-3
_____	_____	0-3
Technology (see approved list; may be met in major)	_____	0-3
_____	_____	0-3
Intensive Writing (see approved list; may be met in major with CHEM 552)	_____	0-3
_____	_____	0-3
Constitution-Founding Documents Req. (see approved list; may be met by other requirement)	_____	0-3
_____	_____	0-3
Physical Activity (see approved list)	_____	1
_____	_____	3
Global Perspectives (see approved list)	_____	3
_____	_____	3
Historical Perspectives (see approved list)	_____	3
_____	_____	3
Social Science (see approved list; must include 2 designators)	_____	0
_____	_____	0
Humanities and Arts (see approved list; must include 2 designators)	_____	0
_____	_____	0
Quantitative Skills (met in major with MATH 201 & 202)	_____	0
Natural Science (met in major with PHYS 211)	_____	0

Pre-Engineering Degree Track (69-74 semester hrs)

Course & No.	Hrs.	Check
Students may choose to complete 6-12 hours of optional additional requirements to earn an ACS-certified degree.		
BIOL 220/222	(4)	_____
MATH 201, 202	(8)	_____
MATH 301, 305	(7)	_____
CHEM 201 & 202	(4-7)	_____
or 211		
CHEM 204	(2)	_____
CHEM 301 & 302/304	(8)	_____
CHEM 305	(1)	_____
CHEM 312	(1)	_____
CHEM 313/314	(4)	_____
CHEM 323	(3)	_____
CHEM 330/332	(4)	_____
CHEM 407/409	(4)	_____
CHEM 408/410	(4)	_____
CHEM 491, 492, 493, 494	(0)	_____
CHEM 495	(1)	_____
CHEM 530 or 523/525	(3-5)	_____
PHYS 211, 212	(8)	_____
PHYS 321	(3)	_____

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 or add two of CHEM 502/503, 505/506, 523/525 (3-9) _____, _____.

ELECTIVES (0-19 semester hours)

_____	()	_____	_____	()	_____
_____	()	_____	_____	()	_____
_____	()	_____	_____	()	_____
_____	()	_____	_____	()	_____
_____	()	_____	_____	()	_____

FOREIGN LANGUAGE (3-8 semester hours)

_____	_____	3-4
_____	_____	0-4
102-level proficiency required		

NOTES

- Unless stated otherwise, a single course **may not** be used for more than one General Education requirement.
- All Arts and Sciences majors require a minimum of 40 hours in courses numbered above 299.
- Attendance at three cultural events is required for each 20 hours completed in residence at Winthrop. Note exceptions in the undergraduate catalog.
- Designators that differ only for the purpose of theory and application will be considered the same designator in this category.
- Students should complete WRIT 101, HMXP 102 and CRTW 201 with a C- or better early in their academic careers.
- See complete catalog requirements at www.winthrop.edu/recandreg