

**DEGREE CHECKLIST (College of Arts and Sciences)**

**2020-2021 Catalog**

**NAME**

**ID#**

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

| <b>GENERAL EDUCATION REQUIREMENTS (29-41 semester hours)</b>                         |              |             | <b>REQUIREMENTS IN THE MAJOR (choose <u>one</u> degree track)</b>                  |             |              |  |             |              |
|--|--------------|-------------|--|-------------|--------------|--|-------------|--------------|
|  | <b>Check</b> | <b>Hrs.</b> | <b>ACS Chemistry Degree Track (70 semester hrs)</b>                                |             |              | <b>ASBMB Biochemistry Degree Track (72-74 semester hrs)</b>                              |             |              |
| 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 ASBMB Accredited biochemistry graduates.) |             |              |
| <b>Writing and Critical Thinking:</b>  |              |             | <b>Course &amp; No.</b>  | <b>Hrs.</b> | <b>Check</b> | <b>Course &amp; No.</b>  | <b>Hrs.</b> | <b>Check</b> |
| WRIT 101 (grade of C- or better is required)   | _____        | 3           | BIOL 220, 222  | ( 4 )       | _____        | BIOL 220, 222  | ( 4 )       | _____        |
| HMPX 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 HMPX 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 105, 108  | ( 6 )       | _____        | MATH 201, 202  | ( 8 )       | _____        |
| _____  | _____        | 0-3         | CHEM 301, 302, 304   | ( 8 )       | _____        | PHYS 211, 212  | ( 8 )       | _____        |
| <b>Technology</b> (see approved list; may be met in major)                           | _____        | 0-3         | CHEM 305   | ( 1 )       | _____        | CHEM 105, 108  | ( 6 )       | _____        |
| _____  | _____        | 0-3         | CHEM 312   | ( 1 )       | _____        | CHEM 301, 302, 304   | ( 8 )       | _____        |
| <b>Intensive Writing</b> (see approved list; may be met by other requirement)        | _____        | 0-3         | CHEM 313, 314  | ( 4 )       | _____        | CHEM 305   | ( 1 )       | _____        |
| _____  | _____        | 0-3         | CHEM 323   | ( 3 )       | _____        | CHEM 312   | ( 1 )       | _____        |
| <b>Constitution Requirement</b> (see approved list; may be met by other requirement) | _____        | 0-3         | CHEM 330   | ( 3 )       | _____        | CHEM 313, 314  | ( 4 )       | _____        |
| _____  | _____        | 1           | CHEM 530, 531  | ( 4 )       | _____        | CHEM 323   | ( 3 )       | _____        |
| <b>Physical Activity</b> (see approved list)   | _____        | 1           | CHEM 407, 409  | ( 4 )       | _____        | CHEM 407, 409  | ( 4 )       | _____        |
| _____  | _____        | 3           | CHEM 408, 410  | ( 4 )       | _____        | CHEM 491, 492, 493, 494  | ( 0 )       | _____        |
| <b>Global Perspectives</b> (see approved list)                                       | _____        | 3           | CHEM 491, 492, 493, 494  | ( 0 )       | _____        | CHEM 495   | ( 1 )       | _____        |
| _____  | _____        | 3           | CHEM 495   | ( 1 )       | _____        | CHEM 523, 525  | ( 5 )       | _____        |
| <b>Historical Perspectives</b> (see approved list)                                   | _____        | 3           | CHEM 523, 525  | ( 5 )       | _____        | CHEM 524   | ( 3 )       | _____        |
| _____  | _____        | 3           | CHEM 551-552   | ( 6 )       | _____        | CHEM 551-552   | ( 6 )       | _____        |
| <b>Social Science</b> (see approved list; must include 2 designators)                | _____        | 3           |  |             |              |  |             |              |
| _____  | _____        | 3           |  |             |              |  |             |              |
| <b>Humanities and Arts</b> (see approved list; must include 2 designators)           | _____        | 3           |  |             |              |  |             |              |
| _____  | _____        | 3           |  |             |              |  |             |              |
| <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 (0-18 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. Complete WRIT 101, HMPX 102, and CRTW 201 with a C- or better by 75 hours.
6. See complete catalog requirements at [www.winthrop.edu/recandreg](http://www.winthrop.edu/recandreg)