

DEGREE CHECKLIST (College of Arts and Sciences)

2025-2026 Catalog

NAME

ID#

MAJOR B.S. — BIOLOGY (Concentration in Biomedical Research)

| GENERAL EDUCATION REQUIREMENTS (29-32 semester hours) | | | MAJOR COURSES (75-86 semester hours) | | | | | |
|---|-------|------|--|---------|-------|---|---------|------------|
| | Check | Hrs. | Course & No. | Hrs. | Check | Course & No. | Hrs. | Check |
| ACAD 101 (Required of first-time freshmen only) | _____ | 1 | BIOL 220 | (3) | _____ | Select one course from Area A. If BIOL 321 is taken, select one from Area C.*: | | |
| Writing and Critical Thinking: | | | BIOL 222 or 270 | (1-2) | _____ | BIOL _____ | (3-4) | _____ |
| WRIT 101 (grade of C- or better is required) | _____ | 3 | BIOL 221 | (3) | _____ | D) _____ | (3-4) | _____ |
| HMXP 102 (grade of C- or better in WRIT 101 is required) | _____ | 3 | BIOL 223 or 271 | (1-2) | _____ | D) _____ | (3-4) | _____ |
| CRTW 201 (grade of C- or better in HMXP 102 is required) | _____ | 3 | BIOL 300 | (4) | _____ | CHEM 201, 202, & 204 | | |
| Oral Communication (met in major with BIOL 480) | | 0 | BIOL 307, 308, or 321 | (4) | _____ | or CHEM 211 & 204 | (6-9) | ____, ____ |
| Technology (met in major with BIOL 300 & 480) | | 0 | BIOL 310 or 311 | (3-4) | _____ | CHEM 301 | (4) | _____ |
| Intensive Writing (met in major with BIOL 300) | | 0 | BIOL 315 or 320 | (3-4) | _____ | CHEM 302/304 | (4) | _____ |
| Constitution-Founding Documents Req. (see approved list; may be met by other req.) | | | BIOL 316 or 317 | (3-4) | _____ | CHEM 323, 520, or 523/525 | (3-5) | _____ |
| _____ | _____ | 0-3 | BIOL 450H or 471* | (3) | _____ | MATH 105 or 201 | (3-4) | _____ |
| Physical Activity (see approved list) | | | BIOL 480 | (3) | _____ | MATH 241, 341, 541, 546, | (3) | _____ |
| _____ | _____ | 1 | BIOL 390 | (0.5) | _____ | or BIOL 570 | | |
| Global Perspectives (see approved list) | | | BIOL 490 | (0.5) | _____ | PHYS 201/202 or 211/212 | (8) | _____ |
| _____ | _____ | 3 | BIOL 517, 519, 522, | (3-4) | _____ | *At least one course must be selected from Microbiology, Cell Biology, or Genetics requirement above (BIOL 310, 315, or 317). | | |
| Historical Perspectives (see approved list) | | | 526, 530, 532, 539, | | | | | |
| _____ | _____ | 3 | 550, or 560 | | | | | |
| Social Science (see approved list; must include 2 designators) | | | | | | | | |
| _____ | _____ | 3 | | | | | | |
| _____ | _____ | 3 | | | | | | |
| Humanities and Arts (see approved list; must include 2 designators) | | | | | | | | |
| _____ | _____ | 3 | | | | | | |
| _____ | _____ | 3 | | | | | | |
| Quantitative Skills (partially met in major with MATH 105 or 201) | | 0 | | | | | | |
| Natural Science (met in major with BIOL 220/222 or 220/270 and CHEM 201 or 211) | | 0 | | | | | | |
| FOREIGN LANGUAGE (3-8 semester hours) | | | | | | | | |
| _____ | _____ | 3-4 | | | | | | |
| _____ | _____ | 0-4 | | | | | | |
| 102-level proficiency required | | | | | | | | |
| NOTES | | | ELECTIVES (0-13 semester hours) | | | | | |
| 1. Unless stated otherwise, a single course may not be used for more than one General Education requirement or in a major and a minor. | | | _____ () _____ | | | | | |
| 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. | | | | | | | | |
| 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 | | | | | | | | |