

DEGREE CHECKLIST (College of Arts and Sciences)

2025-2026 Catalog

NAME

ID#

MAJOR B.S. — BIOLOGY (Concentration in Conservation)

GENERAL EDUCATION REQUIREMENTS (32-36 semester hours)

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 (met in major with BIOL 480)

0

Technology (met in major with BIOL 300 & 480)

0

Intensive Writing (met in major with BIOL 300)

0

Constitution-Founding Documents Req. (see approved list; may be met by other req.)

0-3

Physical Activity (see approved list)

1

Global Perspectives (see approved list)

3

Historical Perspectives (see approved list)

3

Social Science (see approved list; must include 2 designators)

3

Humanities and Arts (see approved list; must include 2 designators)

3

Quantitative Skills (see approved list)

3

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

MAJOR COURSES (64-67 semester hours)

Course & No. Hrs. Check

BIOL 220 (3) _____

BIOL 222 or 270 (1-2) _____

BIOL 221 (3) _____

BIOL 223 or 271 (1-2) _____

BIOL 300 (4) _____

BIOL 317 (4) _____

BIOL 303, 304, 306,

403, 405, or 407 (4) _____

BIOL 480 (3) _____

BIOL 513 or 518 (3) _____

BIOL 390 (0.5) _____

BIOL 490 (0.5) _____

BIOL 551 or 542 (3) _____

Conservation Experiential Learning (select 3 hours total):

BIOL 371, 450H, 461, 463, 471, 552 (A or B), GEOL 345,

or ENVS 375 (3) _____

Biology Areas and Electives

A. Ecology and Evolution: BIOL 301, 302, 314, 323, 328, 340, 403, 405, 407, 507, 513, 518, 542, 552A or B

B. Cell and Molecular Biology (select one course): BIOL 310 or 311, 315 or 320, 321, 421, 422, 517, 519, 522, 526, 528, 529, 532, 539, 555, 560

C. Biodiversity and Organismal Biology (select one course if not met in requirements above):

BIOL 303, 304, 305, 306, 307, 308, 309, 310 or 311, 505, 508, 510, 511, 518, 524, 525, 554

D. Select additional courses to total 44 hours in BIOL from the above lists and from the following: BIOL 275, 360, 371, 382, 383, 384, 388, 440, 450H, 460, 461, 463, 472, 530, 540, 570

E. Math and Science Electives (11 additional hrs): Must be chosen from MATH 101, 105, 150, 151, 201, 341, or any MATH course with 201 as the prerequisite (the MATH course used to satisfy Quantitative Skills may not be counted here); CHEM (104 or any course above 199 except 461, 462, or 463); PHYS (except 101/102);

GEOL; NUTR 223, 227; ENVS 350 (Climate Change Present and Future), 375; CSCI 101 or CSCI 101A-P

(only 3 hours of CSCI may be applied toward credit in the major)

ELECTIVES (9-21 semester hours)

_____ () _____

_____ () _____

_____ () _____

_____ () _____

Course & No. Hrs. Check

B) BIOL* _____ (3-4) _____

C) BIOL* _____ (3-4) _____

*BIOL 310 or 311 recommended

D) _____ (3-4) _____

D) _____ (3-4) _____

E) _____ (3-4) _____

E) _____ (3-4) _____

E) _____ (3-4) _____

E) _____ (3-4) _____

CHEM 201, 202, & 204

or CHEM 211 & 204 (6-9) _____, _____, _____

MATH 241 (3) _____

GEOG 305, 308, 320

or 501 (3) _____

NOTES

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.