

Secondary Certification in Biology at Winthrop University

Students majoring in biology and minoring in secondary education follow a far more restrictive program of studies than those simply majoring in biology. This ensures that pre-service biology teachers are knowledgeable in all areas of life and physical sciences and are able to pass the Praxis II Specialty Area Test. The course of study requires completion of 143 semester hours for a student entering Winthrop as a freshman. There is virtually no flexibility in scheduling, because no biology “electives” are taken; all introductory and advanced biology courses are specified. In addition, students must complete 33 hours of education courses. Consequently, this program cannot be completed in four years, but requires a minimum of 4 ½ years. The schedule below is suggested. Attending one or more summer sessions is an option which allows a student to lighten the course load during the long semesters; however, most biology courses are not offered in summer. Science and education courses marked with an asterisk are those generally offered at Winthrop during summer session. Contact Cassie Bell, bellc@winthrop.edu, phone 803-323-2111, ext. 6448

Freshman Year

*Declare Secondary Education Minor
Attend Information Session
Take Praxis I*

Fall
ACAD 101
BIOL 202
BIOL 203*
BIOL 204*
EDUC 110
MATH 150
WRIT 101
14 hours

Spring
BIOL 205
CHEM 105*
EDUC 210*
EDUC 210M or 210S*
HMXP 102
PLSC 201
17 hours

Maintain minimum 2.5 GPA (required for EDUC 275 & 250)

Sophomore Year

Fall
BIOL 206
BIOL 307
CHEM 106*
CHEM 108*
CRTW 201
EDUC 275
17 hours

Spring
BIOL 300
BIOL 308
EDUC 250
EDUC 250S or 250M
GEOL 110/111
MATH 101 or other appropriate MATH
17 hours

*Apply for Admission to Teacher Education Program
(must have 2.75 GPA)*

(continued on back)

Junior Year

Apply for Field Experience (SCIE 392) in March

Fall

BIOL 317
BIOL 491
EDUC 310*
PHYS 201
4 hr language
3 hr elective
17-18 hours

Spring

BIOL 310
BIOL 492
PHYS 202
4 hr language
3 hr elective (global)
16 hours

Senior Year

Apply for Internship (EDUC 475) in March

Fall

BIOL 403 or 515 or other Ecology course
BIOL 513
EDUC 390
SCIE 391
SCIE 392
3 hr elective (historical)
16-17 hours

Spring

BIOL 403 or 515 or other Ecology course
BIOL480
3 hr elective
3 hr elective
3 hr elective
16 hours

Additional Internship Semester

Take Praxis II

Fall

EDUC 475
EDUC 490
12 hours

Use these guidelines to develop an appropriate program of study in consultation with your advisor.