

Sample Biology Roadmap: Medical Laboratory Science

The following is one potential roadmap to prepare for a career in medical laboratory science. It is only a suggestion; students have successfully prepared for medical laboratory science fields using a variety of course schedules. Some choose to reduce their course load each semester by taking summer courses. **Students should consult their advisors and programs of interest to plan their academic schedule.**

Students interested in the Accelerated BS – MS (4+1) program at Winthrop should contact the graduate director, Dr. Kristi Westover, and apply before their senior year. Students may receive credit for 9 hours of 500-level courses towards the MS degree if certain requirements are met. For more information, please visit (<https://www.winthrop.edu/graduateschool/master-of-science-in-biology.aspx>).

Freshman Year

Fall (15 credits)	Spring (17 credits)
ACAD 101 (1) WRIT 101 (3) BIOL 202 (1) BIOL 221 (3) and BIOL 223 (1)* CHEM 104 (3) PESH (1) MATH 150 or 151 (3)	HMXP 102 (3) BIOL 220 (3) and BIOL 222 (1)* MATH 141; Quantitative requirement (3) CHEM 105 (4) Gen Ed elective (3)

*SEA-PHAGES labs 270 and 271 are 2 credits each. If you are accepted into this program students should take 220 in their first semester

Sophomore Year

Fall (17 credits)	Spring (17 credits)
CRTW 201 (3) BIOL 300 (4) CHEM 108 (2) Foreign Language 101 (4) BIOL 307; Area D (4)	BIOL 316 (3) or BIOL 317 (4) Gen Ed elective (3) Gen Ed Elective (3) Foreign Language 102 (4) HCMT 200 (3)

Junior Year

Fall (15.5-16.5 credits)	Spring (15.5 credits)
BIOL 310; Area C (4) BIOL Elective Area A (3-4) BIOL 390 (0.5) CHEM 301 (4) Gen Ed elective (3) CSCI 101 (1.5)	BIOL 490 (0.5) BIOL 315; Area B (4) CHEM 302 (3) and 304 (1) Gen Ed elective (3) BIOL 308; Area D (4) CSCI 101A (.5)

Senior Year

Fall (13.5 credits)	Spring (12.5-14.5 credits)
BIOL 480 (3) BIOL 522; Area B and 500 level requirement (4) Gen Ed Elective (3) Gen Ed Elective (3) CSCI 101B (.5)	HCMT 300 (3) Gen Elective (3) CSCI 101C (.5) Math or Science Elective (3-4) BIOL Elective Area A, B, C or D (3-4)