

Curriculum in Laboratory Sciences

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
MATH 1610 Calculus I		4 BIOL 1020 Principles of Biology	3
CHEM 1110 General Chemistry I¹		3 BIOL 1021 Principles of Biology Laboratory	1
CHEM 1111 General Chemistry I Laboratory		1 CHEM 1120 General Chemistry for Scientists and Engineers II¹	3
Core History		3 CHEM 1121 General Chemistry II Laboratory	1
PHIL 1030 Ethics and the Health Sciences		3 Core Social Science or Humanities ²	3
		17	14

Sophomore

Fall	Hours	Spring	Hours
CHEM 2070 Organic Chemistry I		3 CHEM 2080 Organic Chemistry II	3
CHEM 2071 Organic Chemistry I Laboratory		1 CHEM 2081 Organic Chemistry II Laboratory	1
BIOL 2500 Human Anatomy and Physiology I		3 BIOL 2510 Human Anatomy and Physiology II	3
BIOL 2501 Human Anatomy and Physiology I Laboratory		1 BIOL 2511 Human Anatomy and Physiology II Laboratory	1
STAT 2510 Statistics for Biological and Health Sciences		3 BIOL 3200 General Microbiology	3
LBSC 2010 Basics in Laboratory Science		2 BIOL 3201 General Microbiology Laboratory	1
Core Literature		3 Core History or Literature ³	3
		16	15

Junior

Fall	Hours	Spring	Hours
BIOL 5200 Clinical Microbiology		5 CHEM 3050 Analytical Chemistry	3
BIOL 3000 Genetics		3 CHEM 3051 Analytical Chemistry Laboratory	1
BIOL 3001 General Genetics Laboratory		1 BIOL 5500 Immunology	3
LBSC 4010 Hematology		3 Core Fine Arts	3
LBSC 4011 Hematology Lab		2 Core Social Science	3
		14	13

Senior

Fall	Hours	Spring	Hours
BCHE 5180 Biochemistry I		3 LBSC 4250 Clinical Biochem Instrumnt	4
BCHE 5181 Biochemistry I Laboratory		1 LBSC 4050 Clinical Immunohematology/Parasitology	5
Technical Elective ⁴		6 Technical Elective ⁴	3
Core Social Science		3 Elective	3

Elective	3 UNIV 4AA0 Creed to Succeed ⁵	0
	16	15

Total Hours: 120

- 1 CHEM 1030/CHEM 1031 and CHEM 1040/CHEM 1041 sequence can substitute for CHEM 1110/CHEM 1111 and CHEM 1120/CHEM 1121. See advisor for details.
- 2 If a second LITERATURE sequence is chosen, this course must be a CORE SOCIAL SCIENCE. If a second HISTORY sequence is chosen, this course must be a CORE HUMANITIES.
- 3 Students must complete a sequence of EITHER History or Literature to graduate. Please select the second half of EITHER the History or Literature sequence that you began.
- 4 See advisor for approved list of Tech Electives.
- 5 This course must be taken the semester of graduation.