



Bachelor of Science in Natural Sciences

Major: Human Biology

2019-2020 Sample 4-Year Plan

Total Degree Requirements: 120 credits

Student _____ **Student ID#** _____ **Student Phone #** _____

Advisor _____ **Minimum GPA** _____ **Minor/Career Interest(s)** _____

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

First Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 119	First Year Seminar		2	F	
BIOL 151-151L	General Biology I and Lab (SGR #6)		4	F	
CHEM 112	General Chemistry I	p. MATH 114 or higher placement	3	F/S/Su	
CHEM 112L	General Chemistry I Lab		1	F/S/Su	
ENGL 101	Composition I (SGR #1)	p. Placement	3	F/S/Su	
PSYC 101	General Psychology (SGR #3)		3	F/S/Su	
Total Credit Hours			16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 153-153L	General Biology II and Lab (SGR #6)		4	S	
BIOL 290	Seminar		1	S	
CHEM 114	General Chemistry II	p. CHEM 112, MATH 114 or higher	3	F/S/Su	
CHEM 114L	General Chemistry II Lab		1	F/S/Su	
NURS 201	Medical Terminology	suggested elective	1	F/S/Su	
SGR #4	Arts and Humanities/Diversity	See list in catalog	3		
SPCM 101	Fundamentals of Speech (SGR #2)		3	F/S/Su	
Total Credit Hours			16		

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
	Shadowing or Internship				

Second Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 202	Genetics and Organismal Biology	p. BIOL 103 or BIOL 153, CHEM 114/L	3	F	
BIOL 202L	Genetics and Organismal Biology Lab		1	F	
CHEM 326	Organic Chemistry I	p. CHEM 114	3	F	
CHEM 326L	Organic Chemistry I Lab	(if only want 2 sciences, wait on CHEM)	1	F	
ENGL 201	Composition II (SGR #1)	p. ENGL 101	3	F/S/Su	
MICR 233-233L	Introductory Microbiology and Lab	p. BIOL 151 & 6 cr. CHEM	4	F	
Total Credit Hours			15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 204	Genetics and Cellular Biology	p. BIOL 202/L	3	S	
BIOL 204L	Genetics and Cellular Biology Lab		1	S	
BIOL 221-221L	Human Anatomy and Lab	p. Sophomore standing or consent	4	F/S/Su	
CHEM 328	Organic Chemistry II	p. CHEM 326	3	S	
CHEM 328L	Organic Chemistry II Lab		1	S	
PHIL 220	Introduction to Ethics (SGR #4)		3	F/S/Su	
Total Credit Hours			15		

Information Subject to Change. This is not a contract.

p. = Course Prerequisite, c. = Corequisites
Semester: F = Fall, S = Spring, SU = Summer



Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
	Research and/or Internship				

Third Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 325-325L	Physiology and Lab	p. BIOL 221/L & 8 cr. CHEM	4		
BIOL 383	Bioethics	Cross-Listed: PHIL 383	4	F	
Major Electives	Select 1/4 from Health related electives: BIOL 467, 470, 476, 494, 498, CHEM 464, MICR 424, 433, 440L, 448, or EXS 454/L	CHEM 464 recommended (F/SU only)	3 - 4		
PHYS 111-111L	Introduction to Physics I and Lab	p. MATH 114 or higher	4		
Total Credit Hours			15 - 16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 490	Seminar		2		
Major Electives	Select 2/4 from Health-related electives: BIOL 467, 470, 476, 494, 498, CHEM 464, MICR 424, 433, 440L, 448, or EXS 454/L	Consider CHEM 466 for Chemistry minor	3 - 4		
STAT 281	Introduction to Statistics	p. MATH 103 or higher	3	F/S/Su	
PHYS 113-113L	Introduction to Physics II and Lab	p. PHYS 111/L	4		
SOC 100	Introduction to Sociology (SGR #3)	see list in catalog for substitute	3	F/S/Su	
	MCAT/DAT/OAT Prep		0		
Total Credit Hours			15 - 16		

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
	MCAT/DAT/OAT/GRE and App. to Professional School				

Fourth Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Major Electives	Select 3/4 from Health-related electives: BIOL 467, 470, 476, 494, 498, CHEM 464, MICR 424, 433, 440L, 448, or EXS 454/L		3 - 4		
MATH 121-121L or MATH 115	Survey of Calculus and Lab or Precalculus (SGR #5)	p. MATH 114, 115 or placement p. MATH 114 or placement	5		
MICR 439	Medical and Veterinary Immunology	p. MICR 233 & BIOL 204	3	F	
General Elective	Peer mentoring or other electives		4	F	
Total Credit Hours			15 - 16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ENGL 379	Technical Communication (BIOL/MICR section)	p. ENGL 201 (BIOL/MICR section)	3	F/S	
Major Electives	Select 4/4 from Health-related electives: BIOL 467, 470, 476, 494, 498, CHEM 464, MICR 424, 433, 440, 448, EXS 454/L	Such as MICR 433	3 - 4		
General Elective	Select from any discipline		7		
Total Credit Hours			13 - 14		

Comments/Notes

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the [Honors program requirements](#).

NOTE: A grade of C or higher is required for all major requirements including BIOL, MICR, CHEM 112, CHEM 114, CHEM 326, CHEM 328, CHEM 464, PHYS 111, PHYS 113, MATH 125, and STAT 281.