



**Bachelor of Science**

**Major: Human Biology**

**2023-2024 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	
<b>Total Credit Hours</b>			16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 153-153L	General Biology II and Lab (SGR #6)		4	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	
CMST 101	Foundations of Communication (SGR #2)		3	F/S/Su	
NURS 201	Medical Terminology	suggested elective	1	F/S/Su	
SGR #4	Arts and Humanities/Diversity	See list in catalog	3		
<b>Total Credit Hours</b>			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 & Molecular Biology	p. BIOL 103 or BIOL 153, CHEM 114/L	3	F	
BIOL 202L	Genetics & Molecular 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	
<b>Total Credit Hours</b>			15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 204	Introduction to Cell Biology	p. BIOL 202/L	3	S	
BIOL 204L	Introduction to Cell Biology Lab		1	S	
BIOL 221-221L	Human Anatomy and Lab	p. Sophomore standing or consent	4	F/S/Su	
BIOL 290	Seminar		1	S	
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	
<b>Total Credit Hours</b>			15		

**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 1/5 from Health-related electives: BIOL 470, 476, 483, 494, 498, 483, CHEM 448/L, 464, MICR 424, 433, 440L, 448, EXS 454/L, HLTH 364/L, HSC 445, NUTR 422, or PHA 352	CHEM 464 recommended (F/SU only)	3 - 4		
PHYS Elective	Physics elective	p. MATH 114 or higher Discuss with advisor whether PHYS 111 -113 is appropriate	4		
<b>Total Credit Hours</b>			15 - 16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Major Electives	Select 2/5 from Health-related electives: BIOL 470, 476, 483, 494, 498, 483, CHEM 448/L, 464, MICR 424, 433, 440L, 448, EXS 454/L, HLTH 364/L, HSC 445, NUTR 422, or PHA 352	Consider CHEM 466 for Chemistry minor	3 - 4		
SOC 100	Introduction to Sociology (SGR #3)	see list in catalog for substitute	3	F/S/Su	
STAT 281	Introduction to Statistics	p. MATH 103 or higher	3	F/S/Su	
General Elective	Select from any discipline	Consider PHYS 113/L if appropriate	6		
	MCAT/DAT/OAT Prep		0		
<b>Total Credit Hours</b>			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 3/5 from Health-related electives: BIOL 470, 476, 483, 494, 498, 483, CHEM 448/L, 464, MICR 424, 433, 440L, 448, EXS 454/L, HLTH 364/L, HSC 445, NUTR 422, or PHA 352		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	
<b>Total Credit Hours</b>			15 - 16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Major Electives	Select 4/5 from Health-related electives: BIOL 470, 476, 483, 494, 498, 483, CHEM 448/L, 464, MICR 424, 433, 440L, 448, EXS 454/L, HLTH 364/L, HSC 445, NUTR 422, or PHA 352	Such as MICR 433	3 - 4		
Major Electives	Select 5/5 from Health-related electives: BIOL 470, 476, 483, 494, 498, 483, CHEM 448/L, 464, MICR 424, 433, 440L, 448, EXS 454/L, HLTH 364/L, HSC 445, NUTR 422, or PHA 352		3 - 4		
General Elective	Select from any discipline		7		
<b>Total Credit Hours</b>			12 - 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, and STAT 281.