

BIOLOGY, B.A. TO PUBLIC HEALTH, M.P.H. ACCELERATED PROGRAM

The Biology, B.A. to Public Health, M.P.H. Accelerated Program at Saint Louis University will provide students majoring in biology with a pathway to pursue training in population health.

Biology majors will apply for acceptance into the accelerated program with the Master of Public Health in the fall of their fifth semester of collegiate study. Students can choose any of the five concentrations offered by SLU's M.P.H. program, and take up to 15 credits of coursework, a mix of undergraduate and graduate credits, each semester of senior year. A maximum of 15 credit hours of M.P.H. coursework can be taken during senior year. Students will fully matriculate in the M.P.H. program as graduate students after the conferral of their undergraduate degree.

For additional information, see the catalog entries for the following programs:

Biology, B.A. (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ba/>)

Public Health, M.P.H. (<https://catalog.slu.edu/colleges-schools/public-health-social-justice/graduate-programs/public-health-mp/h/>)

Requirements

To apply, students must have a minimum cumulative GPA of 3.40, be in their fifth semester of collegiate study, have completed 90 credits toward their undergraduate degree by the end of their sixth semester of study, and must be able to complete their senior year with no more than 15 credits (mix of graduate and undergraduate coursework) in each fall and spring semesters.

Apply here (<https://sophas.liaisoncas.com/applicant-ux/#/login>)

Students must maintain a 3.4 cumulative GPA each semester of senior year and meet all undergraduate requirements for graduation by the end of their 8th semester of collegiate study. The M.P.H. GPA in year 4 will be monitored by the Undergraduate Public Health Director, and progression toward completion of the undergraduate degree requirements will be monitored by students' Biology Faculty Mentor per normal semester processes.

Upon graduation with the B.A./B.S. in Biology, transcripts will be reviewed by the M.P.H. Program for progression into year 5 of the accelerated program and matriculation as a full graduate student. In year 4, students must earn minimum grades in M.P.H. courses that are consistent with M.P.H. program requirements ("B-" in M.P.H. core courses, "B" in M.P.H. concentration courses, "C" in M.P.H. electives) in year 4; if a sub-threshold grade is earned, the student will repeat the course per M.P.H. program expectations. If students earn a GPA of less than 3.0 in M.P.H. courses in year 4 (the minimum GPA required to be in good academic standing in the M.P.H. program), then they will be placed on academic probation when they fully matriculate into the M.P.H. program after graduation with the B.S./B.A. in Biology. As with traditional M.P.H. students, these students will be offered support by the M.P.H. program with resources and course planning to help support them in regaining good academic standing.

Note: Per University policies, students remain an undergraduate until the B.A./B.S. in Biology is conferred, and as such, students are not eligible for graduate assistantships or graduate scholarships until they full matriculate as a graduate student in year 5.

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "!" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

Course	Title	Credits
Year One		
Fall		
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
CORE 1000	Ignite First Year Seminar	2-3
CORE 1500	Cura Personalis 1: Self in Community	1
CORE 1900	Eloquentia Perfecta 1: Written and Visual Communication	3
General Elective		1
Credits		15-16
Spring		
BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory	4
CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
CORE 1600	Ultimate Questions: Theology	3
General Electives		5
Credits		16
Year Two		
Fall		
BIOL 3020	Biochemistry and Molecular Biology	3
MATH 1510	Calculus I	4
CORE 1700	Ultimate Questions: Philosophy	3
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication	3
General Electives		2
Credits		15
Spring		
BIOL 3040	Cell Structure & Function	3
STAT 1300 or BIOL 4790 or BST 3100	Elementary Statistics with Computers or Biometry or Applied Biostatistics I	3

CORE 2500	Cura Personalis 2: Self in Contemplation	0
General Electives		9
Credits		15
Year Three		
Fall		
Eligible students formally apply to the Accelerated Program.		
BIOL 3010	Evolutionary Biology	3
Biology Elective		3
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
General Electives		3
Credits		14-15
Spring		
MPH Program reviews applications, conducts interviews, and notifies students of admission decision.		
BIOL 3030	Principles of Genetics	0-3
Biology Elective		3
CORE 3600	Ways of Thinking: Social and Behavioral Sciences	3
CORE 4000	Collaborative Inquiry	2-3
General Electives		7
Credits		15-19
Year Four		
Fall		
CORE 3500	Cura Personalis 3: Self in the World	1
BIOL 3070	General Ecology	3
Laboratory Elective (p. 2)		1-5
MPH Course		2-3
MPH Course		3
Credits		14-15
Spring		
Biology Elective		3
MPH Course		3-4
MPH Course		3
MPH Course		3
General Electives		2-3
Credits		15
Summer		
MPH Program reviews students for progression to full MPH year		
MPH Course		3
Credits		3
Year Five		
Fall		
MPH Courses		15
Credits		15
Spring		
MPH Courses		15
Credits		15
Total Credits		152-159

Laboratory Electives

Code	Title	Credits
BIOL 3060	Cell Structure & Function Laboratory	1
BIOL 3100	Experiments in Genetics Lab	1
BIOL 3260	Biology of Plants & Fungi	0,4
BIOL 3420	Comparative Anatomy of the Vertebrates	0,5
BIOL 3470	General Physiology Laboratory	1
BIOL 3550X	Neuroscience Laboratory	1
BIOL 4050	Molecular Techniques Lab	2
BIOL 4090	Plant Ecology	0-4
BIOL 4100	Natural History of Vertebrates	0,4
BIOL 4115	Forest Park Living Lab Field Ecology Techniques	1
BIOL 4120	Field Botany	5
BIOL 4130	Field Mammalogy	5
BIOL 4140	Field Ornithology	5
BIOL 4160	Microbial Ecology and Molecular Evolution	4
BIOL 4200	Aquatic Ecology	0,4
BIOL 4260	Biology of Amphibians and Reptiles	0,4
BIOL 4280	Biology of Fishes	0,4
BIOL 4320	Cave Biology	4
BIOL 4330	Spring Flora of the Ozarks	4
BIOL 4635	Immunobiology Lab	1
BIOL 4370	Animal Behavior Lab	1
BIOL 4420	Antibiotic Resistance and Antibiotic Discovery	2
BIOL 4440	Vertebrate Histology: Structure and Function of Tissues	0,4
BIOL 4610	Developmental Biology Lab	2
BIOL 4650	General Microbiology Laboratory	2
BIOL 4760	General Ecology Laboratory	1

Contact Us

For additional information about this program, please contact biology@slu.edu or call 314-977-3900.