Biology, B.S. to Public Health, M.P.H. Accelerated Program

This accelerated program will provide students majoring in biology a pathway to pursue training in population health.

Biology majors will apply for acceptance into the accelerated program with the M.P.H. in the fall of their fifth semester of collegiate study. Students can choose any of the following concentrations offered by the 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.S. (https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-bs/)

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

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Year One</td>
<td></td>
<td></td>
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<tr>
<td>Fall</td>
<td></td>
<td></td>
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<tr>
<td>BIOL 1240 &amp; BIOL 1245</td>
<td>General Biology: Information Flow and Evolution and Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1110 &amp; CHEM 1115</td>
<td>General Chemistry 1 and General Chemistry 1 Laboratory</td>
<td>4</td>
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<tr>
<td>CORE 1000</td>
<td>Ignite First Year Seminar</td>
<td>2-3</td>
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<td>CORE 1500</td>
<td>Cura Personalis 1: Self in Community</td>
<td>1</td>
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<tr>
<td>CORE 1900</td>
<td>Eloquienia Perfecta 1: Written and Visual Communication</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td></td>
<td>1</td>
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</tbody>
</table>

Credits 15-16
Spring

Biol 1260 & Biol 1265
General Biology: Transformations of Energy and Matter
and Principles of Biology II Laboratory

Chem 1120 & Chem 1125
General Chemistry 2
and General Chemistry 2 Laboratory

Math 1510
Calculus I

Core 1600
Ultimate Questions: Theology

Credits
15

Year Two

Fall

Biol 3020
Biochemistry and Molecular Biology

Chem, Eas, or Phys course w/ lab

Core 1700
Ultimate Questions: Philosophy

Core 1200
Eloquentia Perfecta 2: Oral and Visual Communication

General Elective

Credits
15

Spring

Biol 3040
Cell Structure & Function

Chem, Eas, or Phys course w/ lab

Math 1300 or Biol 4790
Elementary Statistics with Computers
or Biometry

Core 2800
Eloquentia Perfecta 3: Creative Expression

Core 3400
Ways of Thinking: Aesthetics, History, and Culture

Credits
15

Year Three

Fall

Eligible students formally apply to the Accelerated Program.

Biol 3010
Evolutionary Biology

Biol 3030
Principles of Genetics

Biology Elective

Chem, Eas, or Phys course w/ lab

General Elective

Credits
16

Spring

MPH Program reviews applications, conducts interviews, and notifies students of admission decision.

Biology Elective

Laboratory CMDB Elective

Chem, Eas, or Phys course w/ lab.

Core 3600
Ways of Thinking: Social and Behavioral Sciences

Core 4000
Collaborative Inquiry

Core 3500
Cura Personalis 3: Self in the World

Credits
15

Year Four

Fall

Biology Elective

Laboratory EEOB Elective

Plant Elective

Credits
15

Year Five

Fall

MPH Courses

Credits
15

Summer

MPH Program reviews students for progression to full MPH year.

MPH Course

Credits
3

Total Credits
154-157

Biology and Laboratory electives can be found on the B.S. Biology curriculum plan. (https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-bs/#requirementstext)